

# CALIFORNIA INSTITUTE OF TECHNOLOGY

EARTHQUAKE ENGINEERING RESEARCH LABORATORY

## STRONG MOTION EARTHQUAKE ACCELEROGRAMS DIGITIZED AND PLOTTED DATA

VOLUME II - CORRECTED ACCELEROGRAMS AND INTEGRATED  
GROUND VELOCITY AND DISPLACEMENT CURVES

PART U - ACCELEROGRAMS IIU294 THROUGH IIU313

REPORT NO. EERL 75-51

A REPORT ON RESEARCH CONDUCTED UNDER A  
GRANT FROM THE NATIONAL SCIENCE FOUNDATION

PASADENA, CALIFORNIA

FEBRUARY, 1975

CALIFORNIA INSTITUTE OF TECHNOLOGY  
EARTHQUAKE ENGINEERING RESEARCH LABORATORY

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## ABSTRACT

The first set of twenty corrected earthquake accelerograms was published in September 1971, as Volume II, Part A, Report No. EERL 71-50, the first report of the Volume II series. That issue also contained introductory material and background information describing the types of corrections used. The corresponding uncorrected data appeared earlier in Volume I, Part A, Report No. EERL 70-20. Both of these reports, containing references related to the records themselves and the various procedures, should be referred to by all users of the data. This issue, Volume II, Part U, Report No. EERL 75-51, contains California records from Ferndale, Santa Barbara, Hollister, Tehachapi, San Jose and Taft, together with records from Helena, Montana, and Seattle, Washington, during the years 1934 to 1967. Further records from some of these sites have appeared in other parts of the series.

## TABLE OF CONTENTS

	<u>Page</u>
Preface to Volume II, Part U	1
Notes on the Volume II Series	3
Table of Instrument Characteristics	10
Earthquake Data	13
References	14
Index of Earthquake Records in Volume II, Part U	17
Plots of Corrected Accelerograms, Velocity, and Displacement, IIU294-313	20
Printouts of Corrected Accelerograms, IIU294-313	80
List of EERL Reports Available from NTIS	294



## PREFACE TO VOLUME II, PART U

This issue of corrected accelerograms and integrated ground velocity and displacement curves contains data from Western United States stations during the years 1934 to 1967. The records are included here in chronological order, and the following series of records are of particular interest.

The Ferndale, California, site provided records in 1934, 1937, 1960 and 1967, in addition to those records already appearing in Parts A and B: 1938, 1941, 1951, 1952 and 1954. The Hollister, California site is represented here with records in 1949, 1954, 1960, 1961 (at 2325 hours on April 8) and 1967, supplementing the one record appearing in Part A at 2323 hours on April 8, 1961. Although this record at 2325 hours on April 8, 1961 is from an aftershock (M 5.5) of the main shock (M 5.7) occurring two minutes earlier at 2323 hours, nonetheless it has been included in many of the statistical investigations which have had, as basic data, the entire set of records in this digitizing and analysis project. In these instances, both records have been assigned to the main shock at 2323 hours.

Also included is a series of three aftershocks of the October 18, 1935 Helena, Montana, earthquake recorded at the Federal Building in Helena on October 31 at 1218 hours, November 21 and November 28. Already appearing in Part B was the second largest shock, on October 31 at 1138 hours. There was no accelerograph in Helena for the main shock on October 18, but the next day the United States Coast and Geodetic Survey sent an accelerograph and a vibration meter from

California to Helena with a strong-motion party under F. P. Ulrich. This accelerograph provided the above set of records.

Another set of aftershocks was recorded at the Fire House, in Tehachapi, California, following the Taft earthquake of July 21, 1952. These were labeled on the original records as the 1st, 2nd and 5th aftershocks, occurring in the time period July 23 to July 31, 1952. No detailed times were available.

Other records in this issue include Santa Barbara (1941), the 13th floor of the Bank of America Building, San Jose, California (1955), the basement record having appeared in Part A, Reference Number IA010, Seattle (Washington) (1965), and Taft, California (1966).

Details of dates and times may be found in the Table of Instrument Characteristics.

In the following section describing the Volume II series in general, there appears a short note on the assessment of long period errors. An illustrative case appears, for example, in this Part in record IIU295, Helena, Montana, on Oct. 31, 1935, 1218 MST, where long period noise is evident in the velocity and displacement plots. The displacement signal is lost in the graphs of all three components. The noise situation is further emphasized in the north and vertically up components where distortion has occurred at the location where the record was clamped to the rotating drum. This is in the last second of the 21 sec duration, and the velocity traces show the effects of this particularly clearly, attaining their peak values at the end of the record. A more detailed study using an optimum long period cut-off could be performed to remove these effects of noise in the original digitizations.

## NOTES ON THE VOLUME II SERIES

The following includes some general background information describing the Volume II Series.

Contents of the Various Parts. Part A of Volume II, Corrected Accelerograms and Integrated Ground Velocity and Displacement Curves, Report No. EERL 71-50, was published in September 1971 and contained in a general introduction to the series, detailed information on the methods and procedures used which should be consulted by all users of the data. Part B of Volume II, Report No. EERL 72-50, which appeared in February 1973, contained additional references to papers discussing various details of the processing and computing problems. Part C, Report No. EERL 72-51, began the presentation of corrected data for the unusually important series of accelerograms obtained during the San Fernando earthquake of February 9, 1971. All the records considered suitable for standard digitizing have been included in the issues following Part C, and Part S contains the last of the San Fernando records. In Part T a return is made to those records received during the years 1933 to 1968, which continue into Parts U and V. Parts W and X contain the records from the Lytle Creek, California, earthquake of Sept. 12, 1970, and Part Y contains the records of the Borrego Mountain, California, earthquake of April 8, 1968, not already included in Parts A and B. Part Y marks the conclusion of the current digitizing and analysis project.

Component Directions. A description of the naming of component directions for the records was given in Volume II, Part B.

Consistent with this, the component direction, where it appears in this report, refers to the direction of the transducer pendulum motion for the trace to be deflected "up" on the record when viewed in the normal way with time increasing from left to right. During earthquake acceleration measurements the pendulum responds dynamically to an "inertia force" whose direction is opposite to that of the acceleration of the instrument base. It follows that the true ground acceleration will be opposite to the pendulum motion defined above. Consequently, in the following plots the Y-axis scale is inverted so as to retain both the familiar pattern of the accelerograms and the listed component direction.

Description of the Plots and Listings. The format of presentation of the results at the end of this second stage of data processing is the same as in Volume II, Part A. The plots of acceleration, velocity, and displacement appear first, with details of the earthquake, the recording site, and the peak values in the headings. The printout of the corrected accelerograms appears next, in units of mm/sec/sec, at equal time intervals of 0.02 seconds. Identification labels, instrument characteristics, peak values, and initial values are in the headings for each component.

Assessment of Long Period Errors.

A. San Fernando earthquake data, 70-mm and 35-mm film,  
included in Parts C through S

A separate section in Volume II, Part G, Report No. EERL 73-52, entitled "Current Assessment of Long Period Errors" describes the results of a recent investigation of long period displacements

calculated from recorded accelerations. During the course of this study it became evident that the procedures for preparation of 70-mm film and, to a lesser extent, 35-mm film records from the San Fernando earthquake of February 9, 1971, introduced spurious excitations at periods close to the duration of the sectional enlargements. These effects have been removed from all of the 70-mm and 35-mm film records by filtering with a long period limit of 8 seconds rather than the standard cut-off period of 16 seconds in the Volume II correction procedure. The following list of Caltech reference numbers indicates the records from the San Fernando earthquake included in Volume I, Parts C through S, that have been processed with the cut-off period of 8 seconds:

Parts G, H, I: All records in these parts.

Part J: Records J142 and J145 through J150.

Part K: All records.

Part L: Records L166, L167, L168; L172 through L175.

Part M: Records M176, M177, M178; M180 through M184.

Part N: All records.

Part O: Records O198 through O201; O206, O208, O210.

Part P: Records P231 and P232.

Parts Q, R, S: All records in these parts.

A decision was also made at the same time to eliminate a number of very low amplitude accelerograms from further processing (Volume II, III, and IV) reflecting the expectation that the resulting displacement records will be dominated by noise. Their Caltech reference numbers are as follows:

H127; I140; J151, J152; K153 through K156, K161 through K165; O202, O203, O209, O211, O212; P224 through P230.

B. Six inch and twelve inch photographic paper records, included in Parts A through Y.

The decision to eliminate the very low amplitude accelerograms of the San Fernando earthquake, detailed above in Section A, was extended to include the more distant records of the Lytle Creek earthquake, Sep. 12, 1970, whose uncorrected data appeared in Volume I, Part X. This entire Part has been eliminated from further processing. Although this somewhat drastic action was required in this case, nevertheless it is apparent in some of the displacement plots that have reached the Volume II series of reports that some long period noise is still present in the published data. There are no components remaining with periods longer than the cut-off period of 14 seconds (and roll-off termination at 20 seconds), or in the case of 70- and 35-mm film records from the San Fernando earthquake, the cut-off of 8 seconds (and roll-off termination at 10 seconds), but it is evident that for some records these cut-off periods are in fact too long. The cause for this lies in the very low amplitude of acceleration for much of the duration of some of the records and the consequent lowering of the signal-to-noise ratio. This noise arises primarily from random digitization noise, and is independent of the acceleration amplitudes. With this in mind, the displacement plots indicate that a cut-off period lower than 14 seconds, or 8 seconds as the case may be, should be used to remove these components from

the acceleration data. It is clear, of course, that in routine processing of accelerograms, such as those mentioned above, it is not practical to examine each earthquake accelerogram in sufficient detail to permit selection of the cut-off period optimal for that particular record.

Availability of Reports and Data. All of the reports constituting the Volume II series mention specific references that discuss particular aspects of the various earthquake records. A list of these reports and other publications of the Earthquake Engineering Research Laboratory appears at the back of this issue, including the EERL Report Number and the Accession Number, with which they are obtainable from:

National Technical Information Service  
U.S. Department of Commerce  
Springfield, Virginia 22151 .

Information on the availability and costs of punched cards and magnetic tapes containing this data, and the data from other volumes in the series, may be obtained from the National Information Service for Earthquake Engineering, the Earthquake Engineering Research Laboratory, California Institute of Technology.

Numbering of EERL Reports. The system for the EERL-numbering of the reports is based on two numbers, one indicating the year of preparation, and the second indicating the volume to which the report belongs. A detailed description follows.

For the Volume I reports, the first number indicates the year in which the particular data was first prepared for either a report

or for loading onto magnetic tape. This number ranges from 70 to 73. The first printing of Volume I, Part A, appeared before the numbering system was chosen. Although it was dated July, 1969, it actually did not appear until 1970, and was consequently numbered EERL 70-20 in subsequent printings. For the reports of Volumes II, III, and IV, the first number indicates the year in which the report was prepared, and ranges from 70 to 75.

The second number increases consecutively with each report, restarting at 20 each year in the case of Volume I reports, at 50 for Volume II, at 80 for Volume III, and at 100 for Volume IV. For example, Volume II, Part G, Report No. EERL 73-52, was prepared in 1973 and was the third report of the Volume II series to be published that year. The numbers from 01 to 19 each year are reserved for other publications of the Earthquake Engineering Research Laboratory, such as thesis reports and special reports.

Acknowledgments. We are grateful to the staff members of the Earthquake Engineering Research Laboratory who at all stages of the project continue to devote their time and attention to producing these reports and the corresponding cards and tapes. In particular we are indebted to Mr. Vincent Lee for carrying out the computing side of the project with such enthusiasm, to Miss Barbara Turner and Miss Sharon Vedrode for typing and editing, and to the staff of the Willis H. Booth Computing Center and the Graphic Arts Facilities. We appreciate the major support from the National Science Foundation that has made the entire project possible, and the continued



contributions from the Earthquake Research Affiliates Program of  
the California Institute of Technology.

M. D. Trifunac  
A. G. Brady  
D. E. Hudson  
Earthquake Engineering Research Laboratory  
California Institute of Technology

# INSTRUMENT CHARACTERISTICS

Series Ref. No.	Caltch Log No.	Instr. Serial No.	Date & Time	Station No.; Location	Component* Direction	Period* T <sub>0</sub> , (sec)	Sens.* (cm/g)	Damp* Ratio, %	Damp* % crit.
IIU294	34.001	S-M 23	7/6/34 1449 PST	1023 Ferndale, California City Hall	N45W S45W Up	.099 .099 .097	26.2 27.5 23.7	6.0 7.0 10.0	49.2 52.8 59.2
IIU295	35.002	-	10/31/35 1218 MST	0000 Helena, Montana Federal Building	North East Up	.098 .101 .098	25.7 27.0 25.2	13.0 10.0 10.0	63.2 59.2 59.2
IIU296	35.004	-	11/21/35 2058 MST	0000 Helena, Montana Federal Building	North East Up	.098 .101 .098	25.7 27.0 25.2	13.0 10.0 10.0	63.2 59.2 59.2
IIU297	35.003	-	11/28/35 0742 MST	0000 Helena, Montana Federal Building	North East Up	.098 .101 .098	25.7 27.0 25.2	13.0 10.0 10.0	63.2 59.2 59.2
IIU298	37.001	S-M 23	2/6/37 2042 PST	1023 Ferndale, California City Hall	N45W S45W Up	.099 .1 .097	26.7 27.0 23.8	11.0 7.0 10.0	60.7 52.8 59.2
IIU299	41.002	S-M 51M	6/30/41 2351 PST	283 Santa Barbara, Calif. Court House	N45E S45E Up	.1 .1 .099	26.6 25.4 24.7	10.0 8.0 10.0	59.2 55.2 59.2
IIU300	41.003	S-M 23	10/3/41 0814 PST	1023 Ferndale, California City Hall	N45W S45W Up	.099 .099 .098	26.5 26.9 23.9	10.0 9.0 9.0	59.2 57.4 57.4
IIU301	49.001	S-M 24	3/9/49 0429 PST	28 Hollister, California Public Library	N89W S01W Up	.066 .066 .068	13.2 13.1 13.4	6.0 5.0 4.0	49.4 45.8 40.4

\* See footnotes at end of table.

## INSTRUMENT CHARACTERISTICS (cont.)

Series Ref. No.	Caltech Log No.	Instr. Serial No.	Date & Time	Station No.; Location	Component* Direction	Period* T <sub>0</sub> (sec)	Sens.* (cm/g)	Damp* Ratio, $\epsilon$	Damp* % crit.
IIU302	52.007	-	7/23-7/31 1952	0000 Tehachapi, California Fire House	N10E S80E Up	.068 .064 .066	13.4 20.6 12.7	3.0 3.0 7.0	33.0 33.0 52.8
IIU303	52.008	-	7/23-7/31 1952	0000 Tehachapi, California Fire House	N10E S80E Up	.068 .064 .066	13.4 20.6 12.7	3.0 3.0 7.0	33.0 33.0 52.8
IIU304	52.010	-	7/23-7/31 1952	0000 Tehachapi, California Fire House	N10E S80E Up	.068 .064 .066	13.4 20.6 12.7	3.0 3.0 7.0	33.0 33.0 52.8
IIU305	54.002	S-M 24	4/25/54 1233 PST	28 Hollister, California Public Library	N89W S01W Up	.0653 .0652 .0674	12.9 13.1 13.7	13.0 7.0 9.0	63.2 52.8 57.4
IIU306	55.002	-	9/4/55 1801 PST	0000 San Jose, California B of A, 13th floor	N59E N31W Up	.046 .046 .045	6.4 6.3 6.1	8.0 8.0 12.0	55.2 55.2 62.0
IIU307	60.001	S-M 24	1/19/60 1926 PST	28 Hollister, California Public Library	N89W S01W Up	.0666 .0662 .0682	13.7 13.6 14.5	10.0 9.0 10.0	59.2 57.4 59.2
IIU308	60.002	S-M 23	6/5/60 1718 PST	23 Ferndale, California City Hall	N46W S44W Up	.0642 .0656 .0666	13.0 13.4 13.9	10.0 9.0 10.0	59.2 57.4 59.2
IIU309	61.002	S-M 24	4/8/61 2325 PST	28 Hollister, California Public Library	N89W S01W Up	.0659 .0660 .0671	13.2 13.4 13.7	9.0 9.0 10.0	57.4 57.4 59.2

\* See footnotes at end of table.

# INSTRUMENT CHARACTERISTICS (cont.)

Series Ref. No.	Caltech Log No.	Instr. Serial No.	Date & Time	Station No.; Location	Component* Direction	Period* T <sub>0</sub> (sec)	Sens.* (cm/g)	Damp* Ratio, %	Damp* % crit.
IIU310	65.003	S-M 18M	4/29/65 0729 PST	329 Seattle, Washington Federal Office Bldg.	S32E S58W Up	.083 .084 .084	20.3 22.3 19.6	10.0 11.0 10.0	59.2 60.7 59.2
IIU311	66.006	S-M 6	6/27/66 2026 PST	95 Taft, California Lincoln School Tunnel	N21E S69E Up	.08 .0813 .0792	19.4 20.0 17.9	9.0 9.0 10.0	57.4 57.4 59.2
IIU312	67.001	S-M 23	12/10/67 0407 PST	23 Ferndale, California City Hall	N46W S44W Up	.0649 .0661 .0659	12.8 13.5 13.4	12.8 11.0 10.0	60.7 59.2
IIU313	67.006	S-M 24	12/18/67 0925 PST	28 Hollister, California Public Library	N89W S01W Up	.065 .065 .067	13.0 13.0 14.0	8.5 13.0 9.0	56.3 63.2 57.4

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\* Static Magnification,  $V_s = \omega_n^2 \cdot (\text{Sensitivity}) = \left[ \frac{2\pi}{T_0 (\text{sec})} \right]^2 \cdot \frac{\text{Sensitivity (cm/g)}}{980 (\text{cm/sec}^2/\text{g})}$

Periods, sensitivities, and damping ratios are obtained from the annual publication "U.S. Earthquakes" produced by the U.S. Department of Commerce.

Damping ratio,  $\epsilon = \exp [\pi n / \sqrt{(1 - n^2)}]$ , where n is the fraction of critical damping.

The component direction is that of pendulum motion for the trace to be deflected "upwards" on the record, as described in the Notes.

# EARTHQUAKE DATA

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>Lat. (N)</u>	<u>Long. (E)</u>	<u>Depth*</u> <u>(km)</u>	<u>Mag.</u>	<u>Maximum</u> <u>Intensity</u>
Eureka, Calif.	7.06.34	1449 PST	41°42'00"	-124°36'00"	-	-	5
Helena, Mont. (Aftershock)	10.31.35	1218 MST	46°37'00"	-111°58'00"	-	-	3
Helena, Mont. (Aftershock)	11.21.35	2058 MST	46°36'00"	-112°00'00"	-	-	6
Helena, Mont. (Aftershock)	11.28.35	0742 MST	46°37'00"	-111°58'00"	-	-	6
Humboldt Bay, Cal.	2.06.37	2042 PST	40°30'00"	-125°15'00"	-	-	5
Santa Barbara, Cal.	6.30.41	2351 PST	34°22'00"	-119°35'00"	16	5.9	8
Northern Cal.	10.03.41	0813 PST	40°36'00"	-124°36'00"	-	6.4	7
Northern Cal.	3.09.49	0429 PST	37°06'00"	-121°18'00"	-	3.5	7
Kern County, Cal. (A'shocks)	7.23.52 to 7.31.52		35°17'00"	-118°39'00"	-	-	-
Central Calif.	4.25.54	1233 PST	36°48'00"	-121°48'00"	-	5.3	7
San Jose, Calif.	9.04.55	1801 PST	37°22'00"	-121°47'00"	-	5.8	7
Central Calif.	1.19.60	1926 PST	36°47'00"	-121°26'00"	-	5.0	6
Northern Calif.	6.05.60	1718 PST	40°49'00"	-124°53'00"	-	5.7	6
Hollister, Cal. (Aftershock)	4.08.61	2325 PST			-	5.5	-
Puget Sound, Wash.	4.29.65	0729 PST	47°24'00"	-122°18'00"	-	6.5	8
Parkfield, Cal.	6.27.66	2026 PST	35°57'18"	-120°29'54"	6.0	5.6	7
Northern Cal.	12.10.67	0407 PST	40°30'00"	-124°36'00"	-	5.8	6
Northern Cal.	12.18.67	0925 PST	37°00'36"	-121°47'18"	-	5.2	6

\*The listed depth of 16 km is an estimate used for travel times in epicenter calculations (Gutenberg, 1951; Hileman et al., 1973).

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# INDEX OF EARTHQUAKE RECORDS

## VOLUME II, PART U

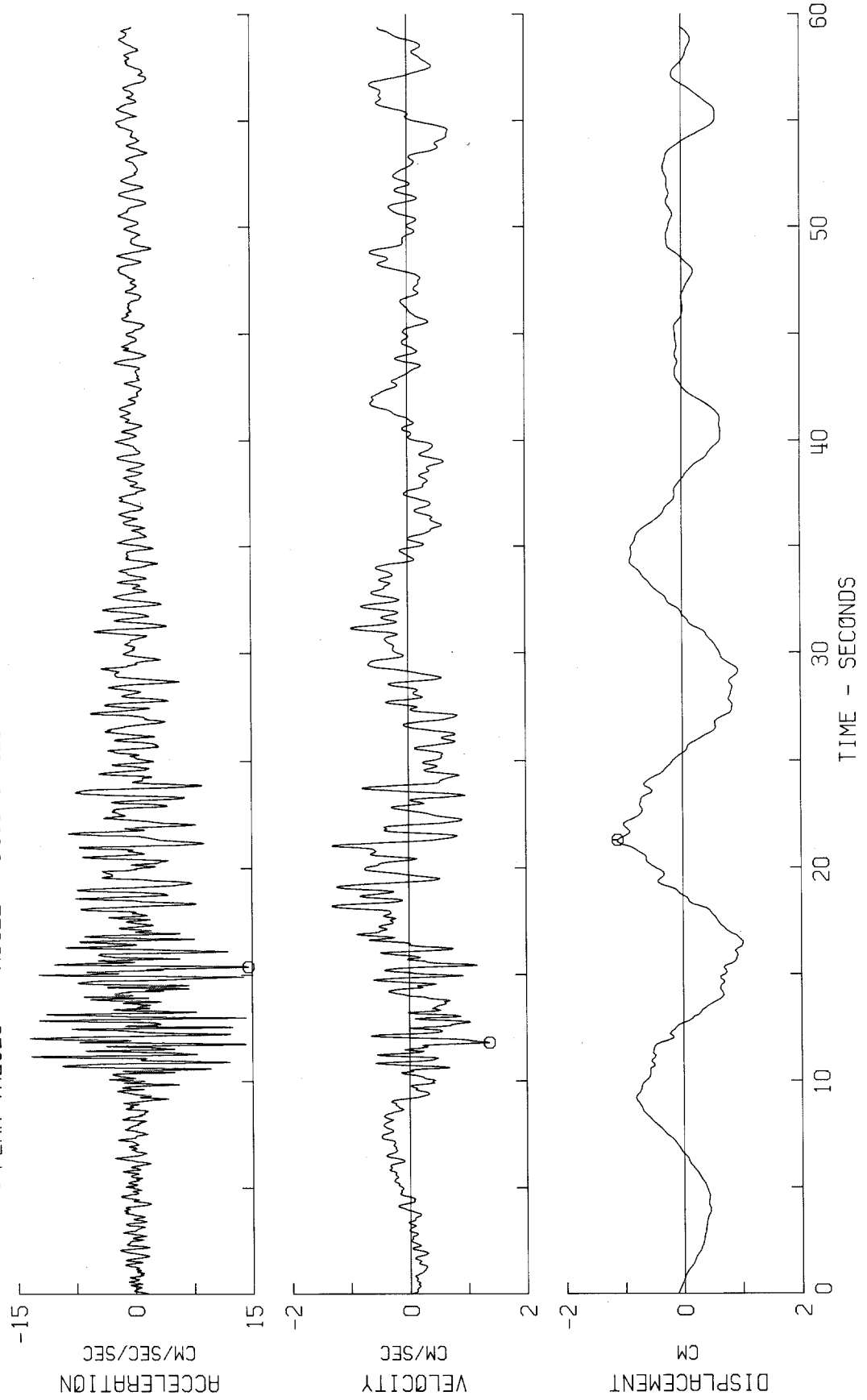
	<u>Records</u>	<u>Plot</u>	<u>Printout</u>
IIU294;	City Hall, Ferndale, Calif.; N45W, S45W, Up; 7.6.34, 1449 PST	20	80
IIU295;	Federal Building, Helena, Montana; North, East, Up; 10.31.35, 1218 MST	23	92
IIU296;	Federal Building, Helena, Montana; North, East, Up; 11.21.35, 2058 MST	26	98
IIU297;	Federal Building, Helena, Montana; North, East, Up; 11.28.35, 0742 MST	29	104
IIU298;	City Hall, Ferndale, Calif.; N45W, S45W, Up; 2.6.37, 2042 PST	32	113
IIU299;	Court House, Santa Barbara, Calif.; N45E, S45E, Up; 6.30.41, 2351 PST	35	125
IIU300;	City Hall, Ferndale, Calif.; N45W, S45W, Up; 10.3.41, 0814 PST	38	137
IIU301;	Public Library, Hollister, Calif.; N89W, S01W, Up; 3.9.49, 0429 PST	41	149
IIU302;	Fire House, Tehachapi, Calif.; N10E, S80E, Up; 7.23-7.31.52	44	158
IIU303;	Fire House, Tehachapi, Calif.; N10E, S80E, Up; 7.23-7.31.52	47	168
IIU304;	Fire House, Tehachapi, Calif.; N10E, S80E, Up; 7.23-7.31.52	50	174
IIU305;	Public Library, Hollister, Calif.; N89W, S01W, Up; 4.25.54, 1233 PST	53	180
IIU306;	Bank of America, 13th floor, San Jose, Calif.; N59E, N31W, Up; 9.4.55, 1801 PST	56	192
IIU307;	Public Library, Hollister, Calif.; N89W, S01W, Up; 1.19.60, 1926 PST	59	201
IIU308;	City Hall, Ferndale, Calif.; N46W, S44W, Up; 6.5.60, 1718 PST	62	213
IIU309;	Public Library, Hollister, Calif.; N89W, S01W, Up; 4.8.61, 2325 PST	65	228
IIU310;	Federal Office Building, Seattle, Wash.; S32E, S58W, Up; 4.29.65, 0729 PST	68	243

INDEX OF EARTHQUAKE RECORDS (CONT.)

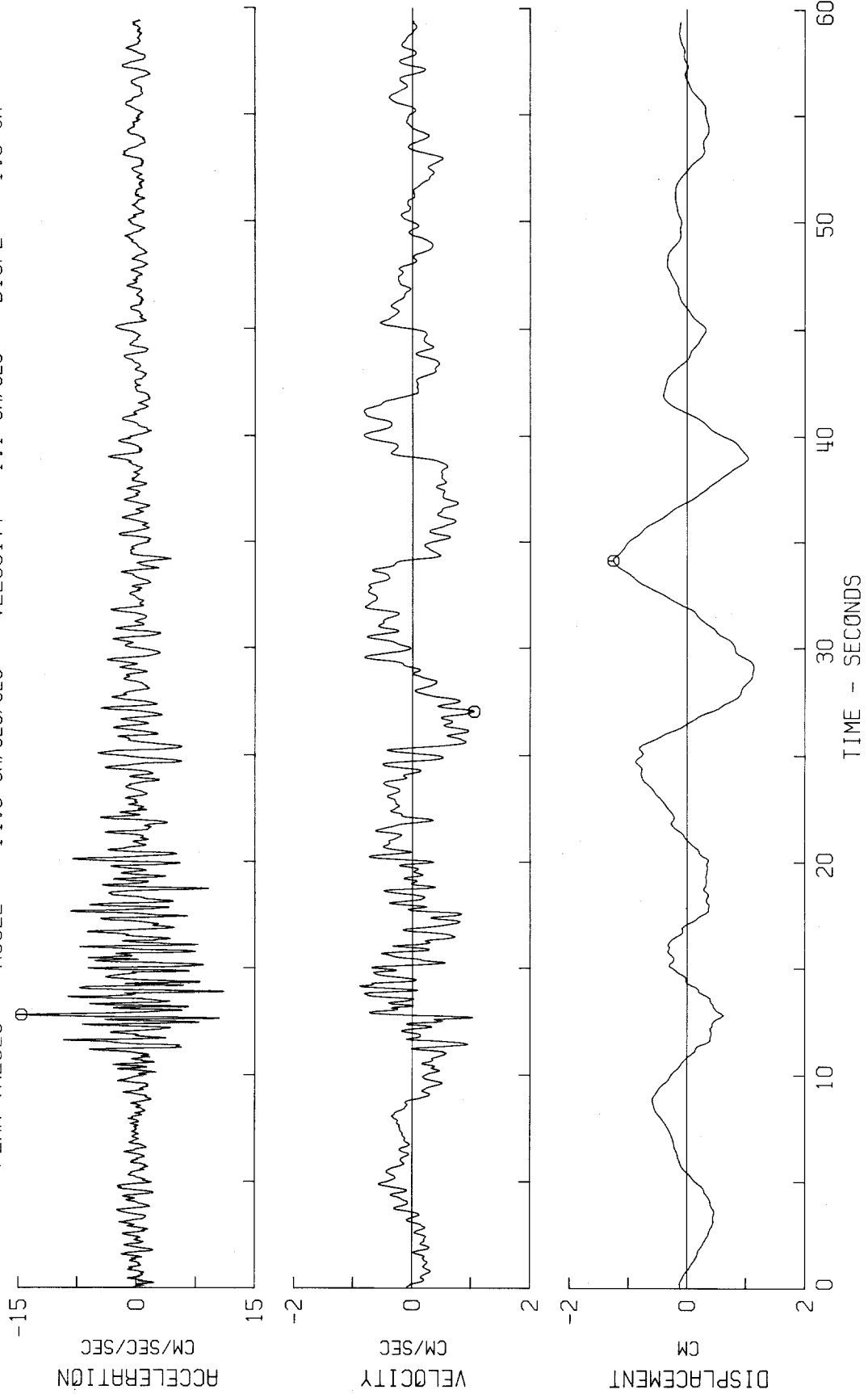
	<u>Records</u>	<u>Plot</u>	<u>Printout</u>
IIU311;	Lincoln School Tunnel, Taft, Calif.; N21E, S69E, Up; 6.27.66, 2026 PST	71	255
IIU312;	City Hall, Ferndale, Calif.; N46W, S44W, Up; 12.10.67, 0407 PST	74	267
IIU313;	Public Library, Hollister, Calif.; N89W, S01W, Up; 12.18.67, 0925 PST	77	282



EUREKA EARTHQUAKE JULY 6, 1934 - 1449 PST  
IIU294 34.001.0 CITY HALL, FERNDALE, CALIFORNIA COMP N45W  
PEAK VALUES : ACCEL = 14.5 CM/SEC/SEC VELOCITY = 1.4 CM/SEC DISPL = -1.1 CM



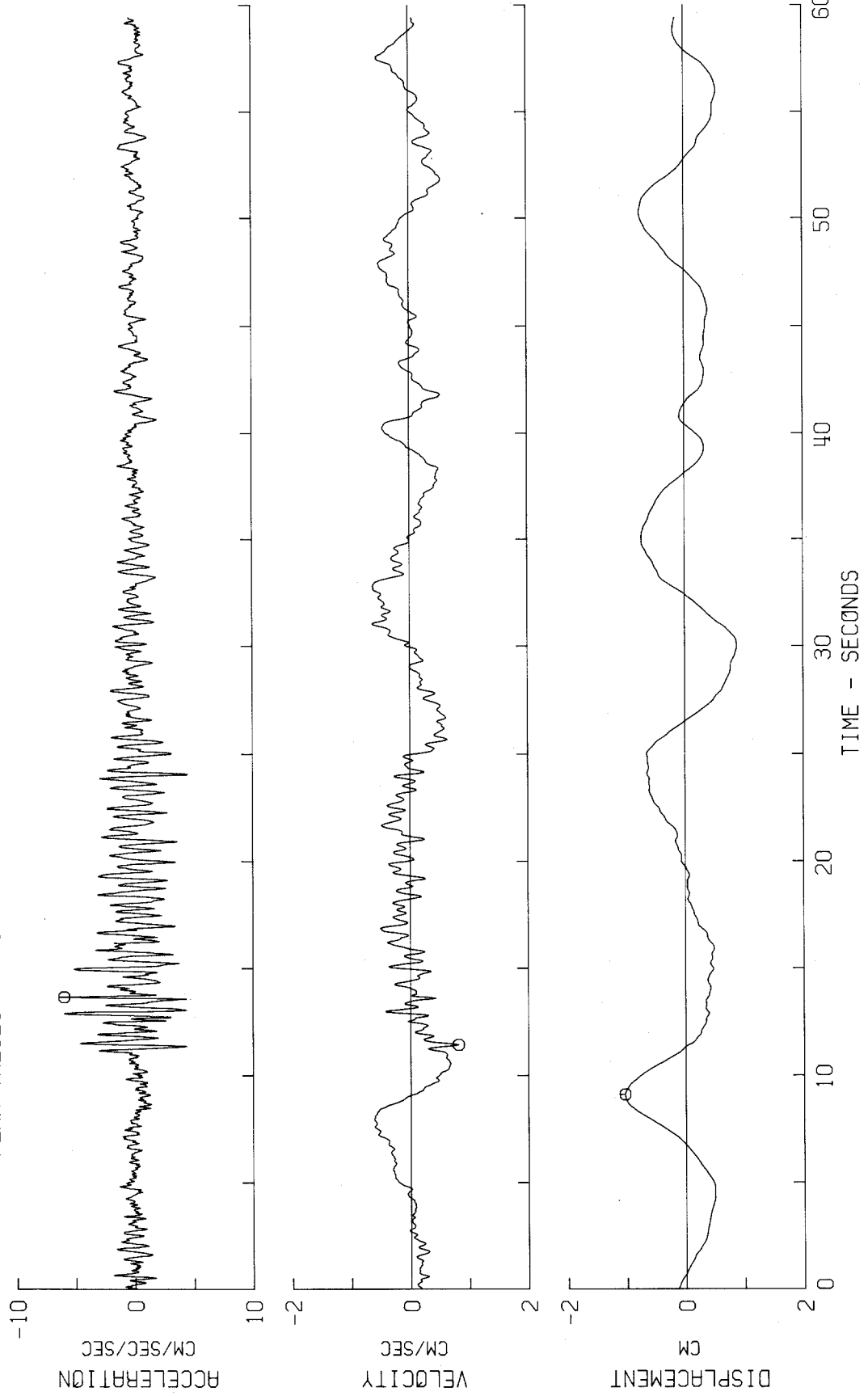
EUREKA EARTHQUAKE JULY 6, 1934 - 1449 PST  
IIU294 34.001.0 CITY HALL, FERNDALE, CALIFORNIA COMP S45W  
PEAK VALUES: ACCEL = -14.6 CM/SEC/SEC VELOCITY = 1.1 CM/SEC DISPL = -1.3 CM



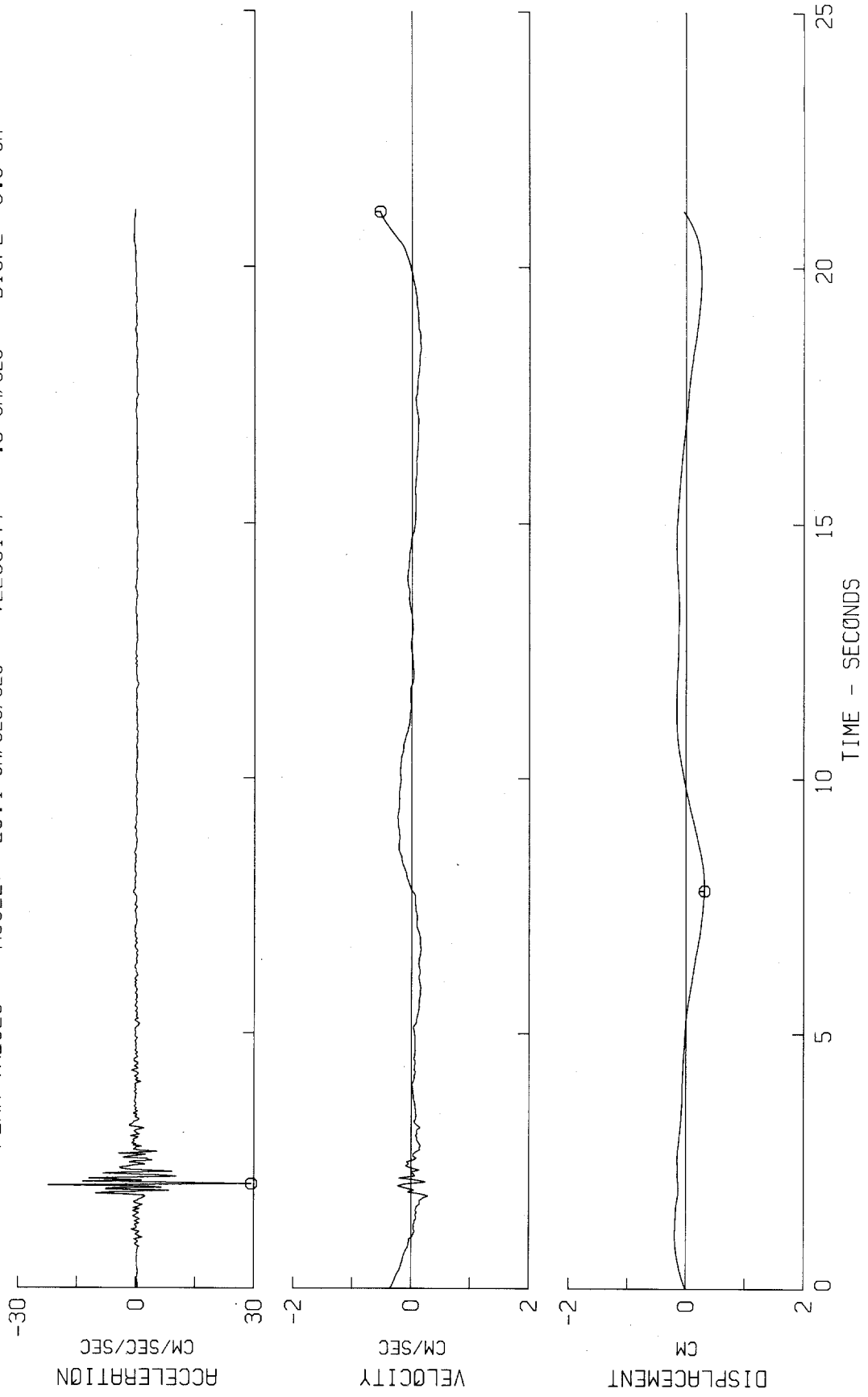
EUREKA EARTHQUAKE JULY 6, 1934 - 1449 PST

IIU294 34.001.0 CITY HALL, FERNDALE, CALIFORNIA COMP UP

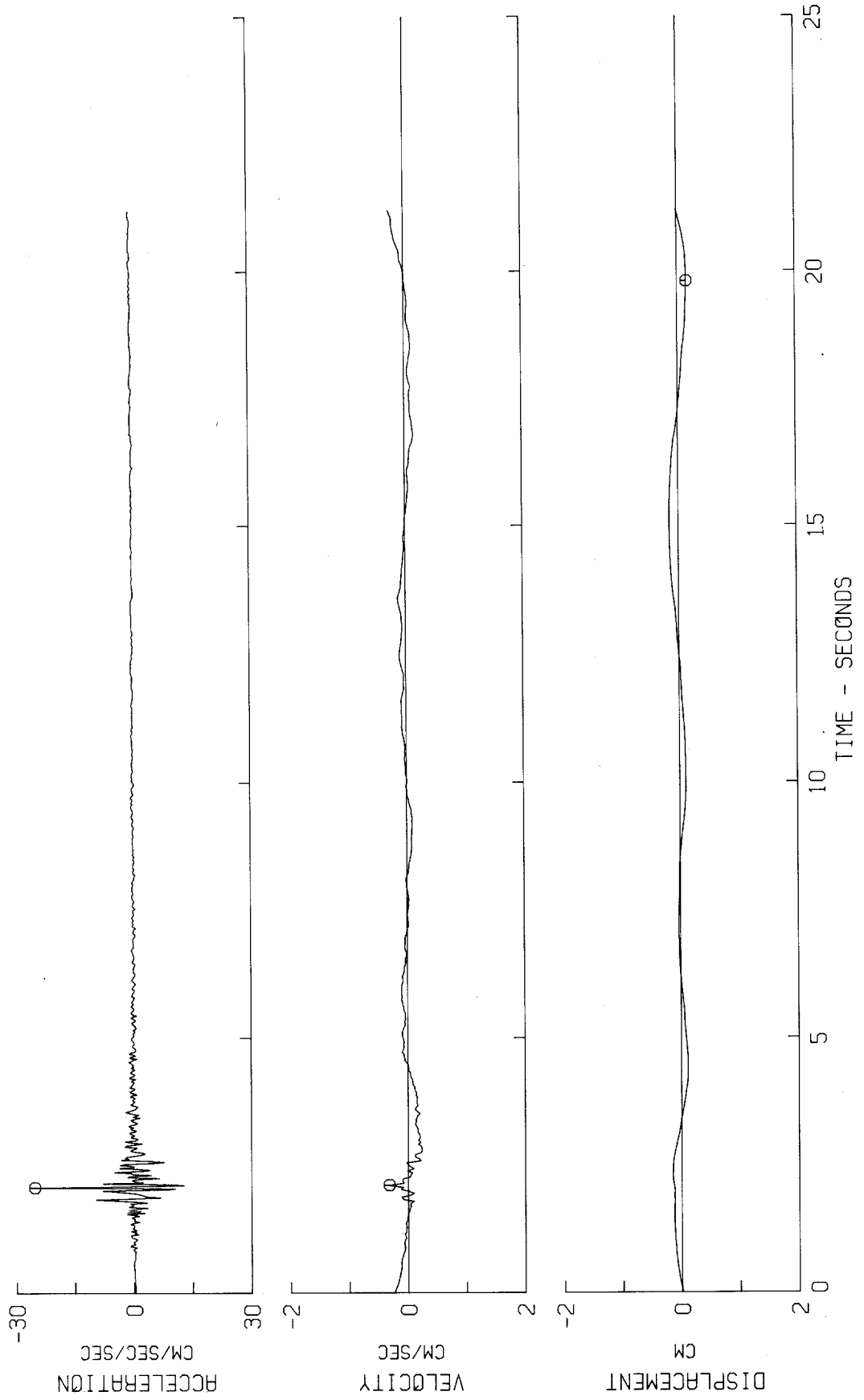
⊙ PEAK VALUES : ACCEL = -6.0 CM/SEC/SEC VELOCITY = 0.8 CM/SEC DISPL = -1.0 CM



HELENA, MONTANA, EARTHQUAKE AFTERSHOCK OCT 31, 1935 - 1218 MST  
IIU295 35.002.0 FEDERAL BUILDING, HELENA, MONTANA COMP NORTH  
Ø PEAK VALUES : ACCEL. = 29.4 CM/SEC/SEC VELOCITY = -0.5 CM/SEC DISPL = 0.3 CM



HELENA, MONTANA, EARTHQUAKE AFTERSHOCK OCT 31, 1935 - 1218 MST  
IIU295 35.002.0 FEDERAL BUILDING, HELENA, MONTANA COMP EAST  
PEAK VALUES : ACCEL = -25.3 CM/SEC/SEC VELOCITY = -.3 CM/SEC DISPL = 0.2 CM

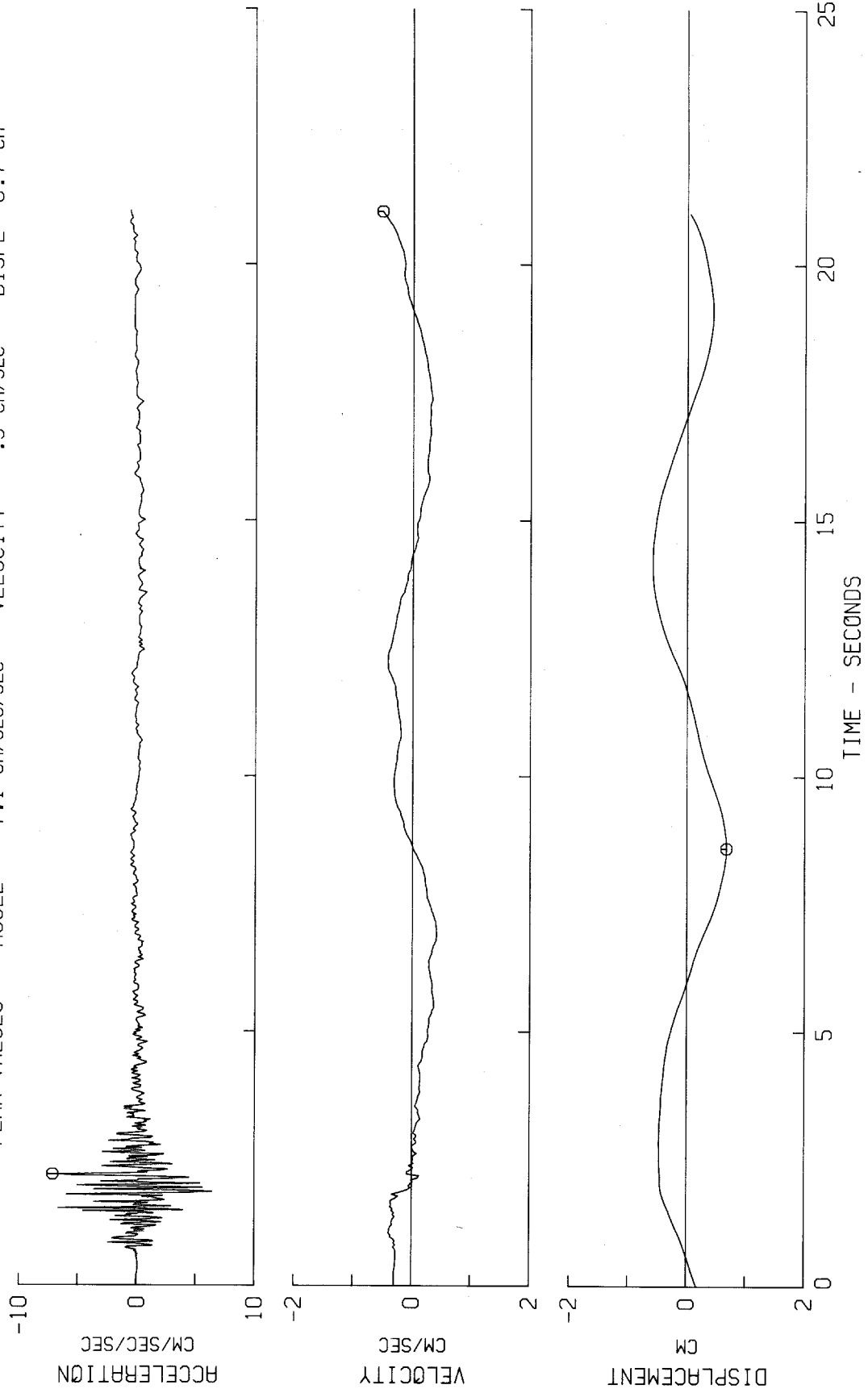




HELENA, MONTANA, EARTHQUAKE AFTERSHOCK OCT 31, 1935 - 1218 MST

IIU295 35.002.0 FEDERAL BUILDING, HELENA, MONTANA COMP UP

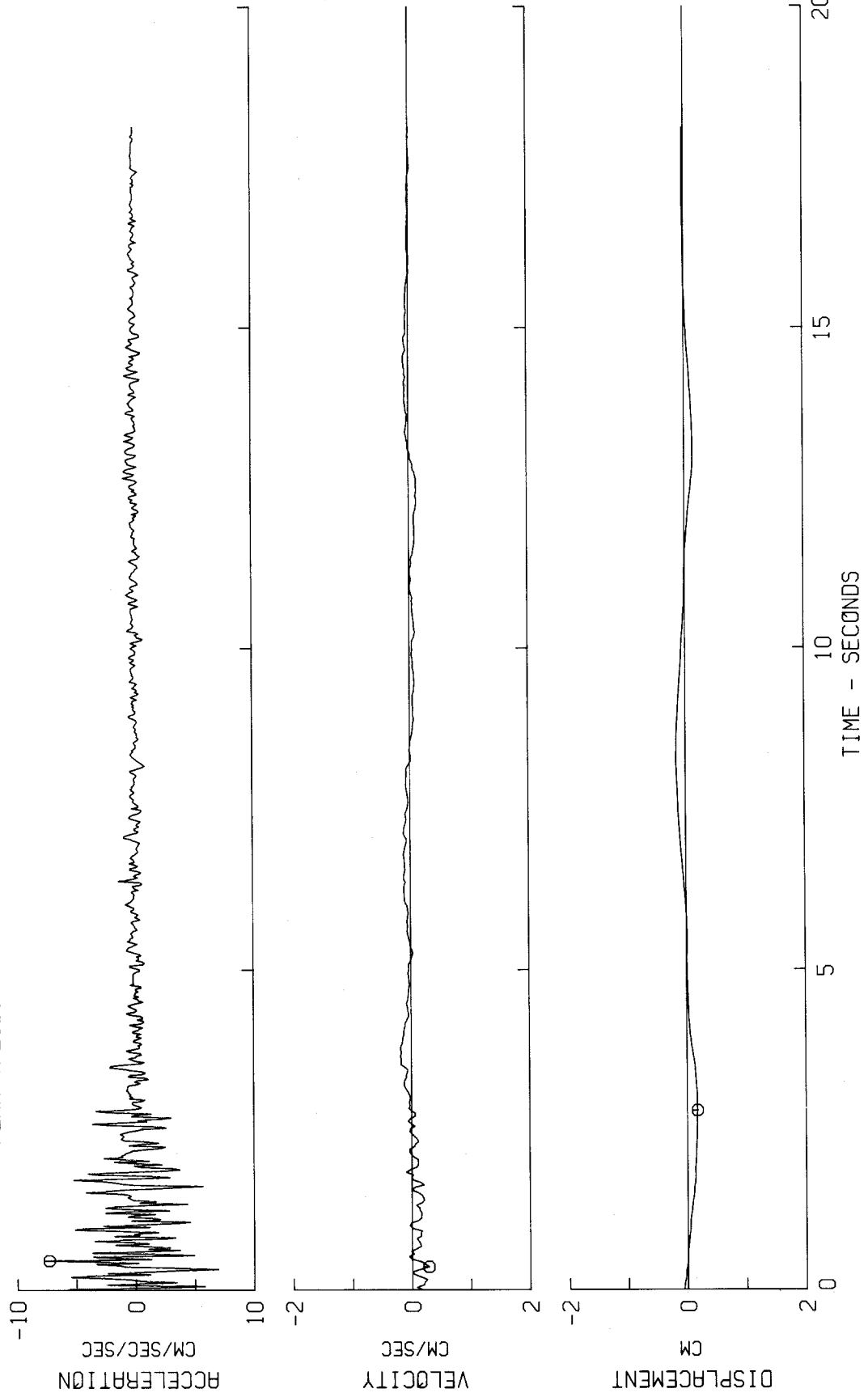
⊙ PEAK VALUES : ACCEL = -7.1 CM/SEC/SEC VELOCITY = -0.5 CM/SEC DISPL = 0.7 CM



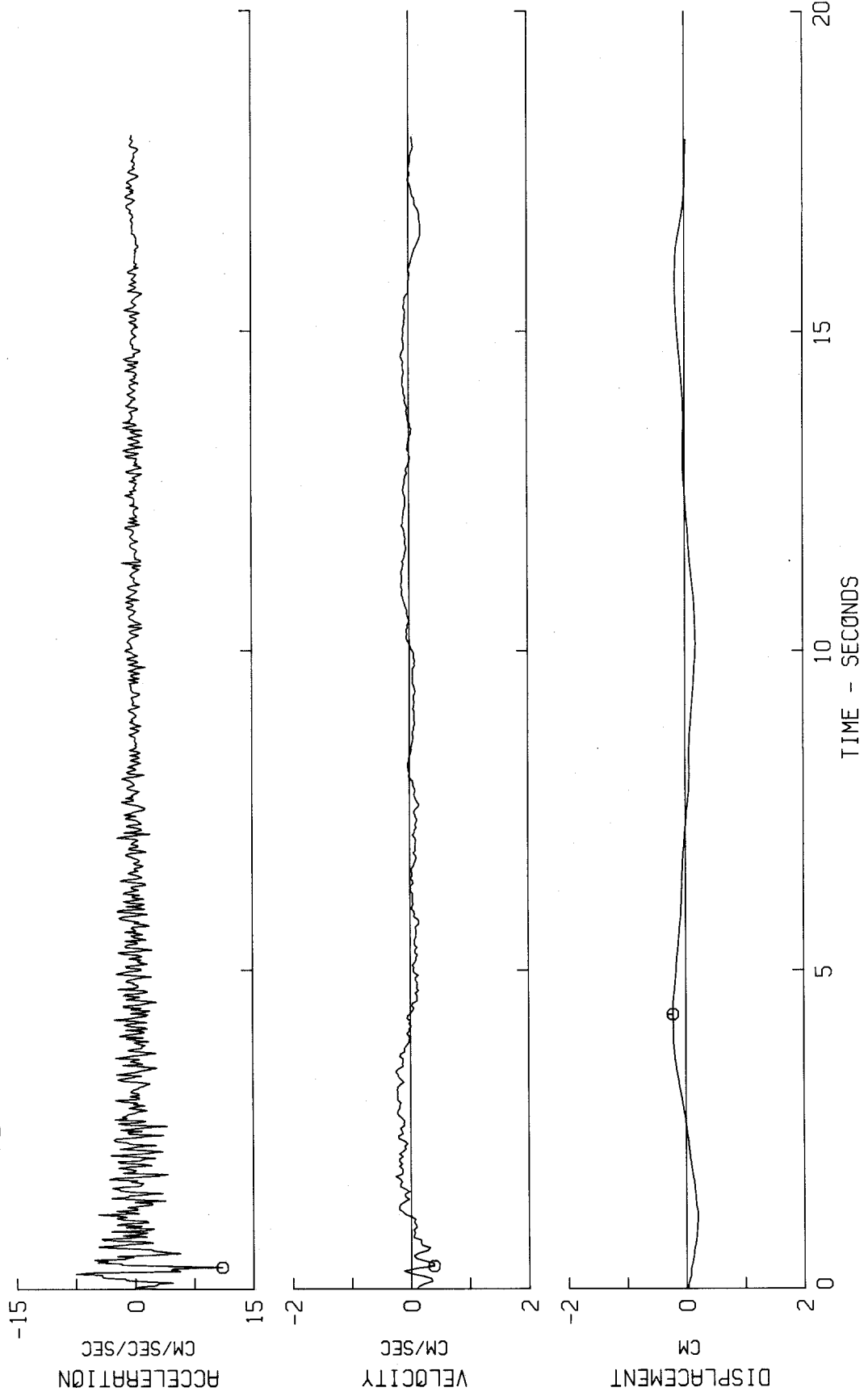
HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 21, 1935 - 2058 MST

IIU296 35.004.0 FEDERAL BUILDING, HELENA, MONTANA COMP NORTH

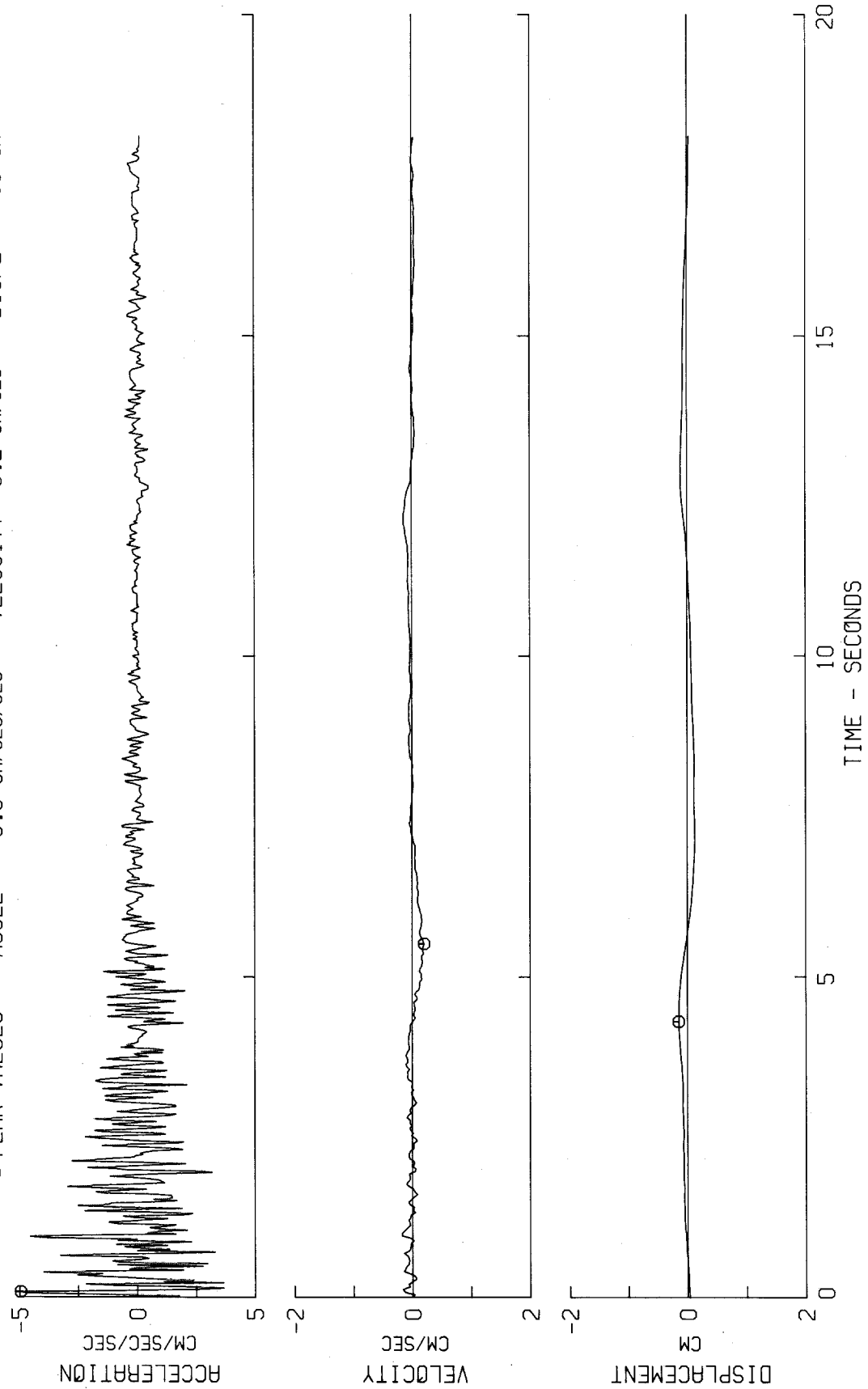
⊙ PEAK VALUES : ACCEL = -7.3 CM/SEC/SEC VELOCITY = 0.3 CM/SEC DISPL = 0.2 CM



HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 21, 1935 - 2058 MST  
IIU296 35.004.0 FEDERAL BUILDING, HELENA, MONTANA COMP EAST  
Ø PEAK VALUES : ACCEL = 11.0 CM/SEC/SEC VELOCITY = 0.4 CM/SEC DISPL = -.2 CM

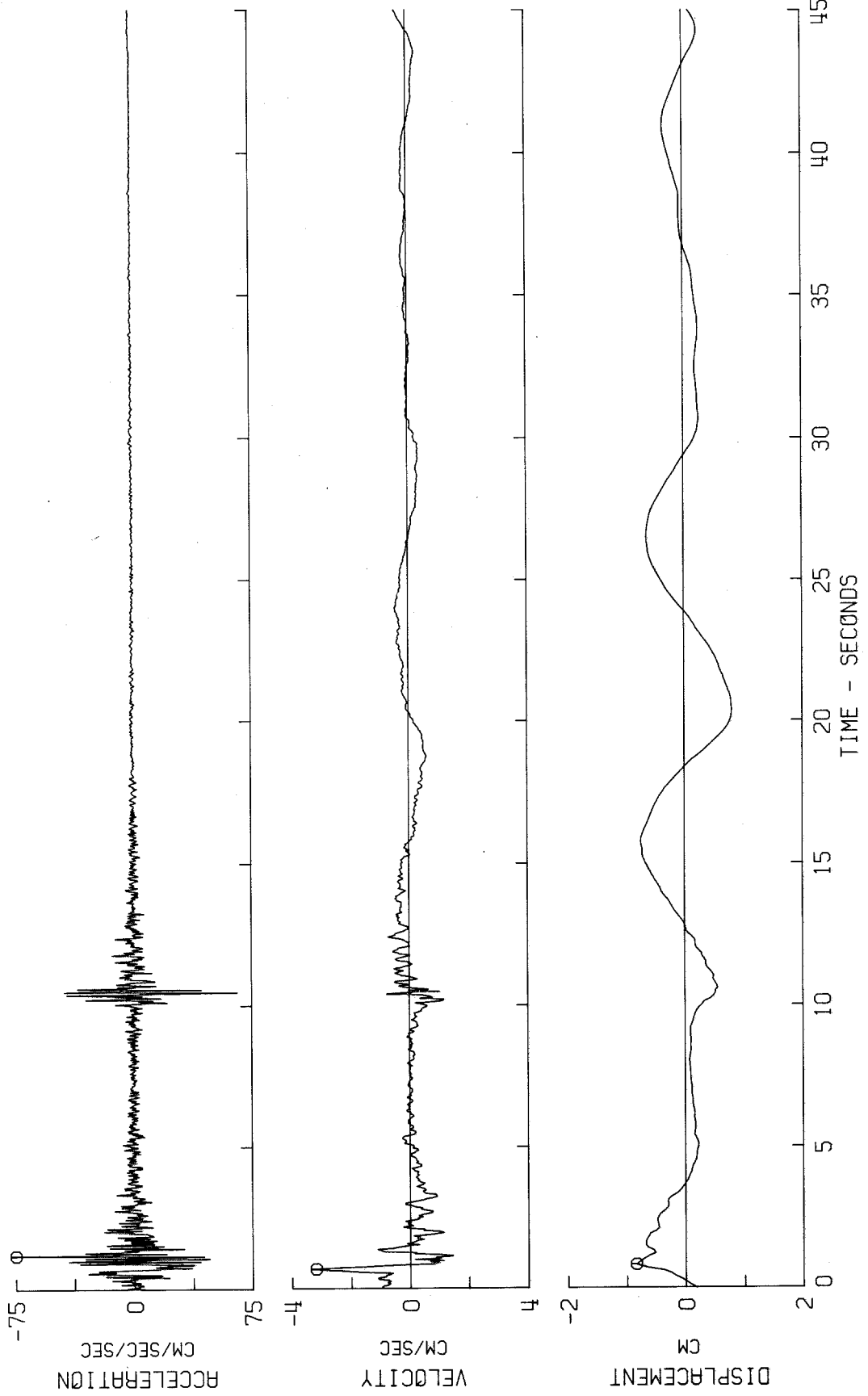


HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 21, 1935 - 2058 MST  
IIU296 35.004.0 FEDERAL BUILDING, HELENA, MONTANA COMP UP  
⊙ PEAK VALUES : ACCEL = -5.0 CM/SEC/SEC VELOCITY = 0.2 CM/SEC DISPL = -.1 CM



HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 28, 1935 - 0742 MST  
IIU297 35.003.0 FEDERAL BUILDING, HELENA, MONTANA COMP NORTH

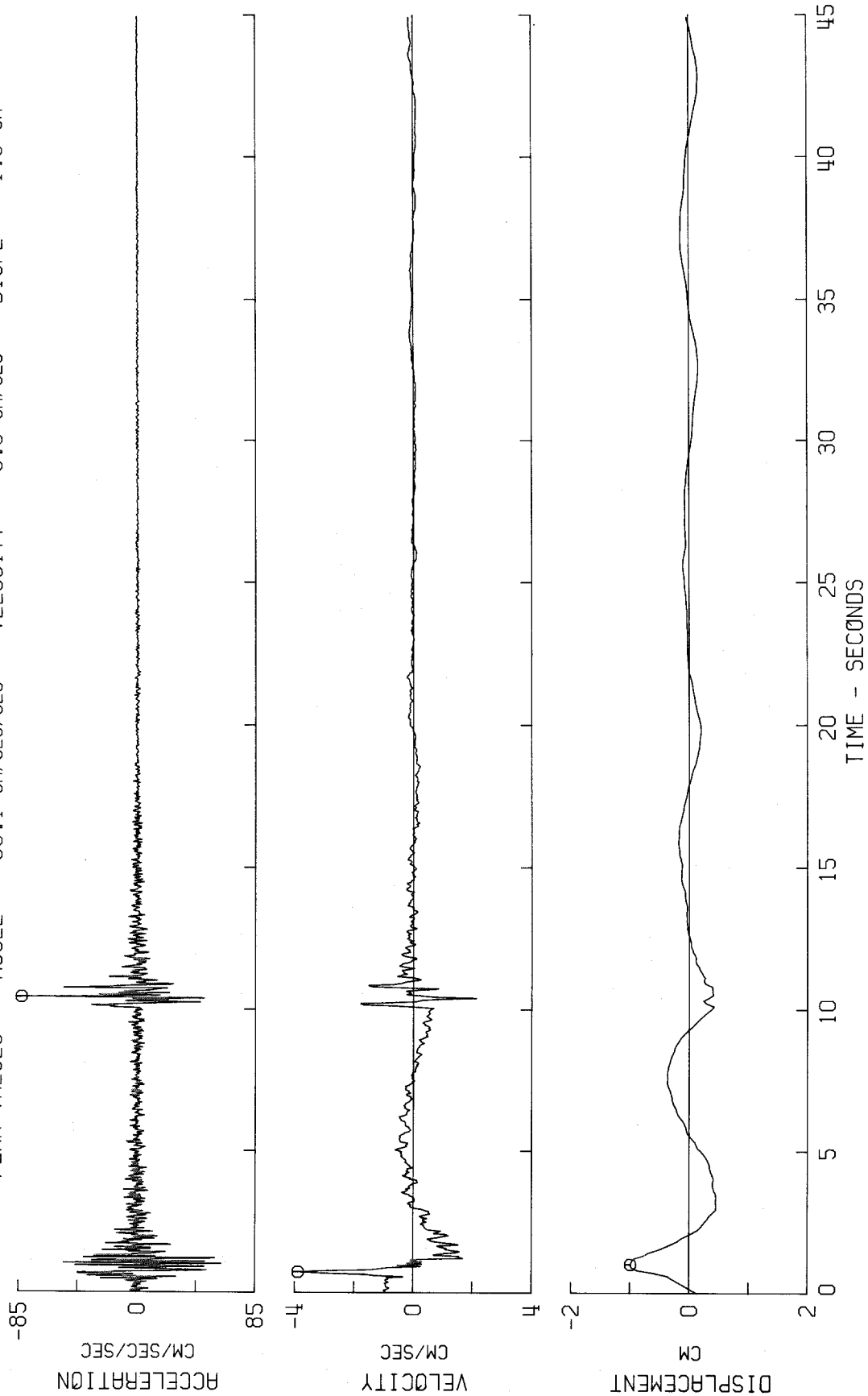
PEAK VALUES : ACCEL = -74.9 CM/SEC/SEC VELOCITY = -3.2 CM/SEC DISPL = -.8 CM



HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 28, 1935 - 0742 MST

IIIU297 35.003.0 FEDERAL BUILDING, HELENA, MONTANA COMP EAST

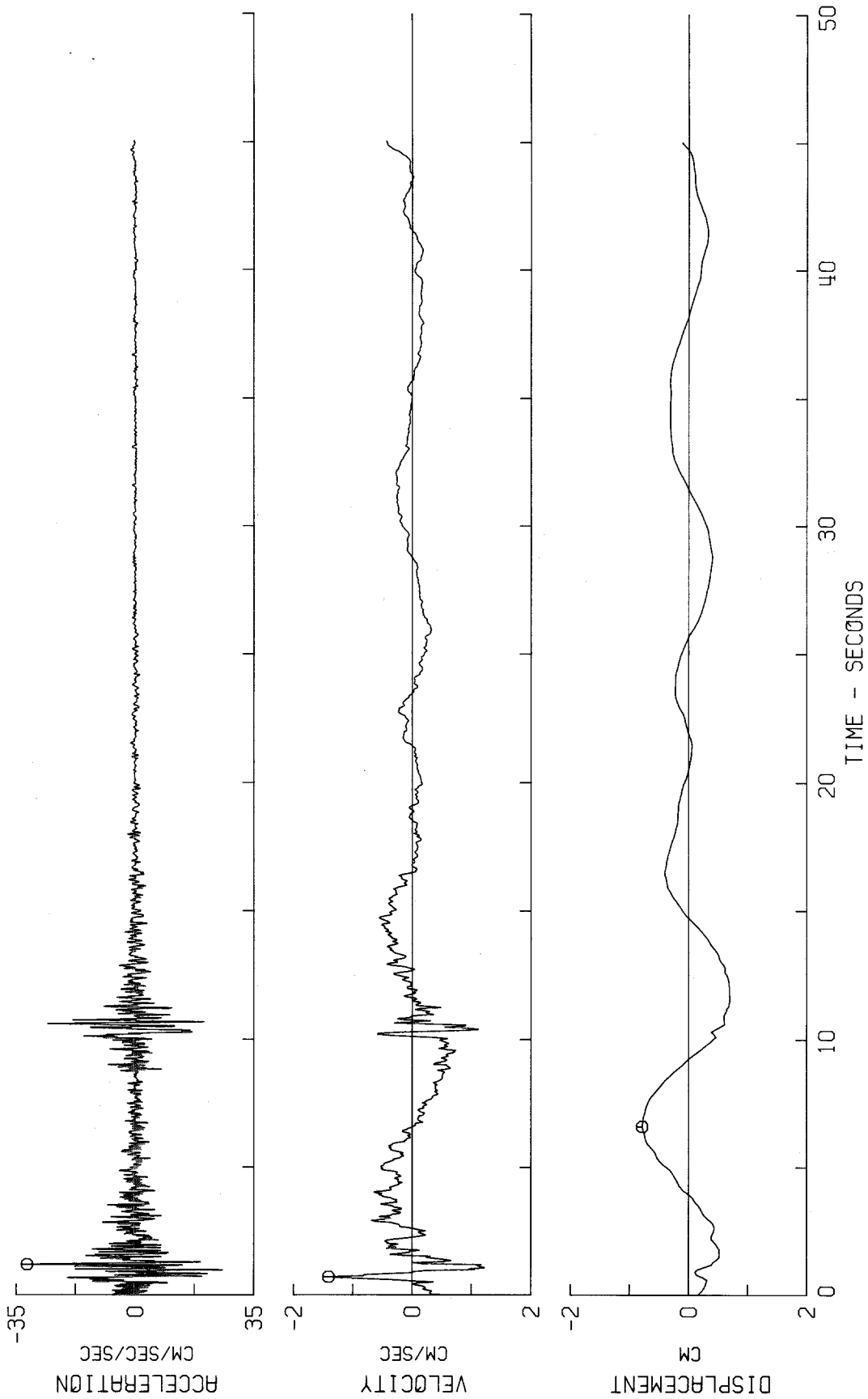
PEAK VALUES : ACCEL = -83.1 CM/SEC/SEC VELOCITY = -3.9 CM/SEC DISPL = -1.0 CM



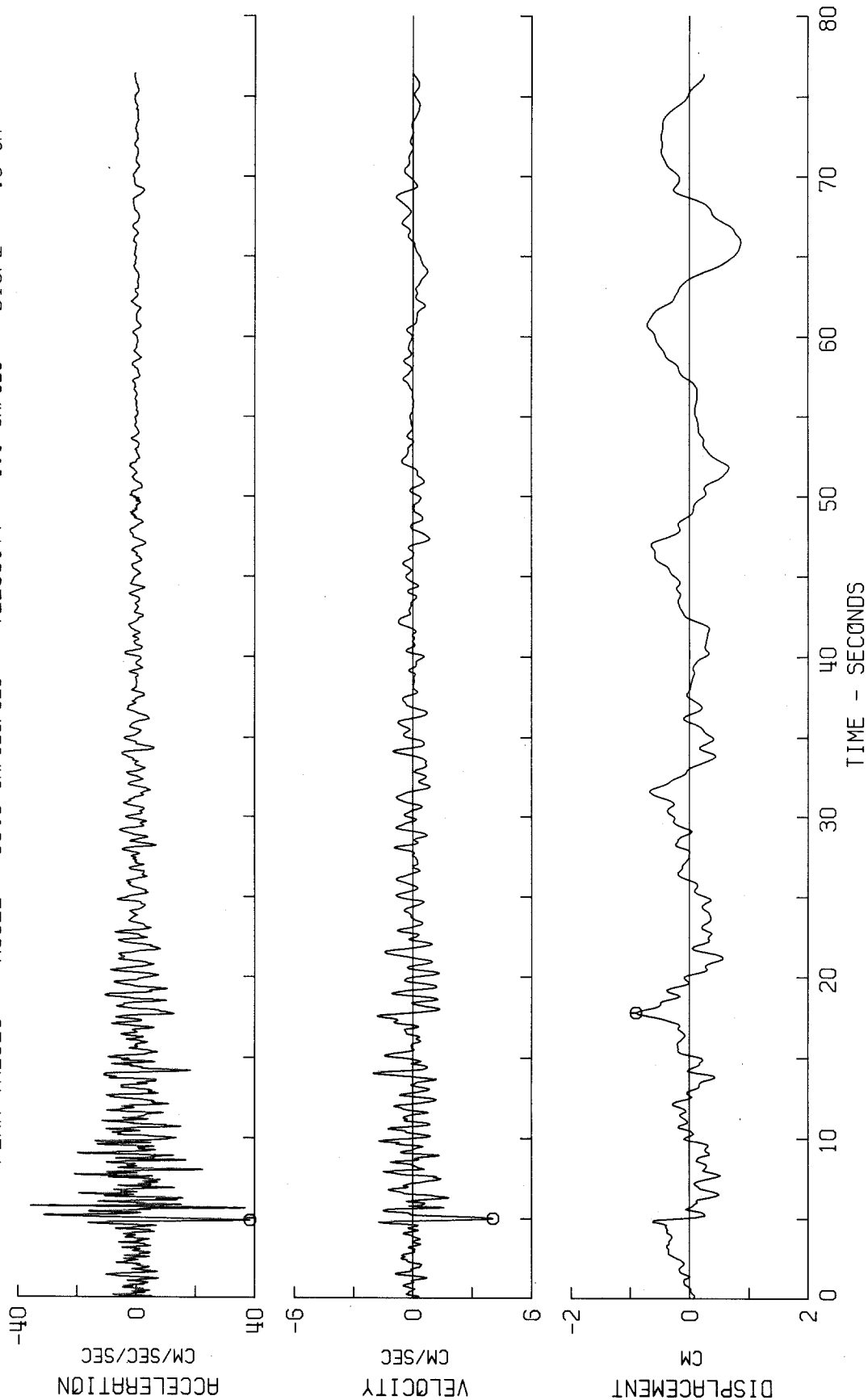
HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 28, 1935 - 0742 MST

IU297 35.003.0 FEDERAL BUILDING, HELENA, MONTANA COMP UP

⊙ PEAK VALUES : ACCEL = -31.7 CM/SEC/SEC VELOCITY = -1.4 CM/SEC DISPL = -.8 CM

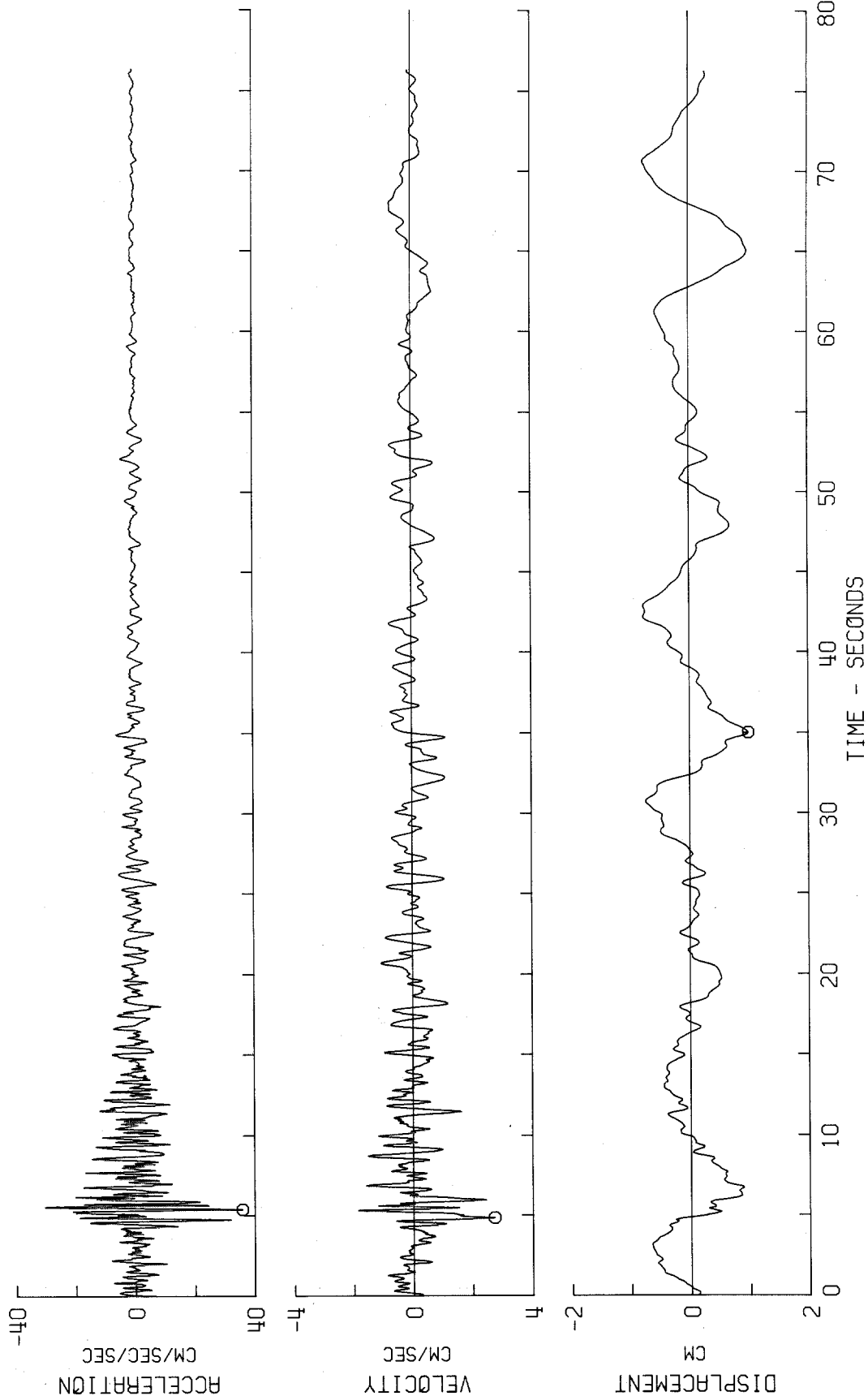


HUMBOLDT BAY EARTHQUAKE FEB 6, 1937 - 2042 PST  
 IIU298 37.001.0 CITY HALL: ALLUVIUM, FERNDALE, CALIFORNIA COMP N45W  
 Ø PEAK VALUES : ACCEL = 38.5 CM/SEC/SEC VELOCITY = 4.1 CM/SEC DISPL = -0.9 CM

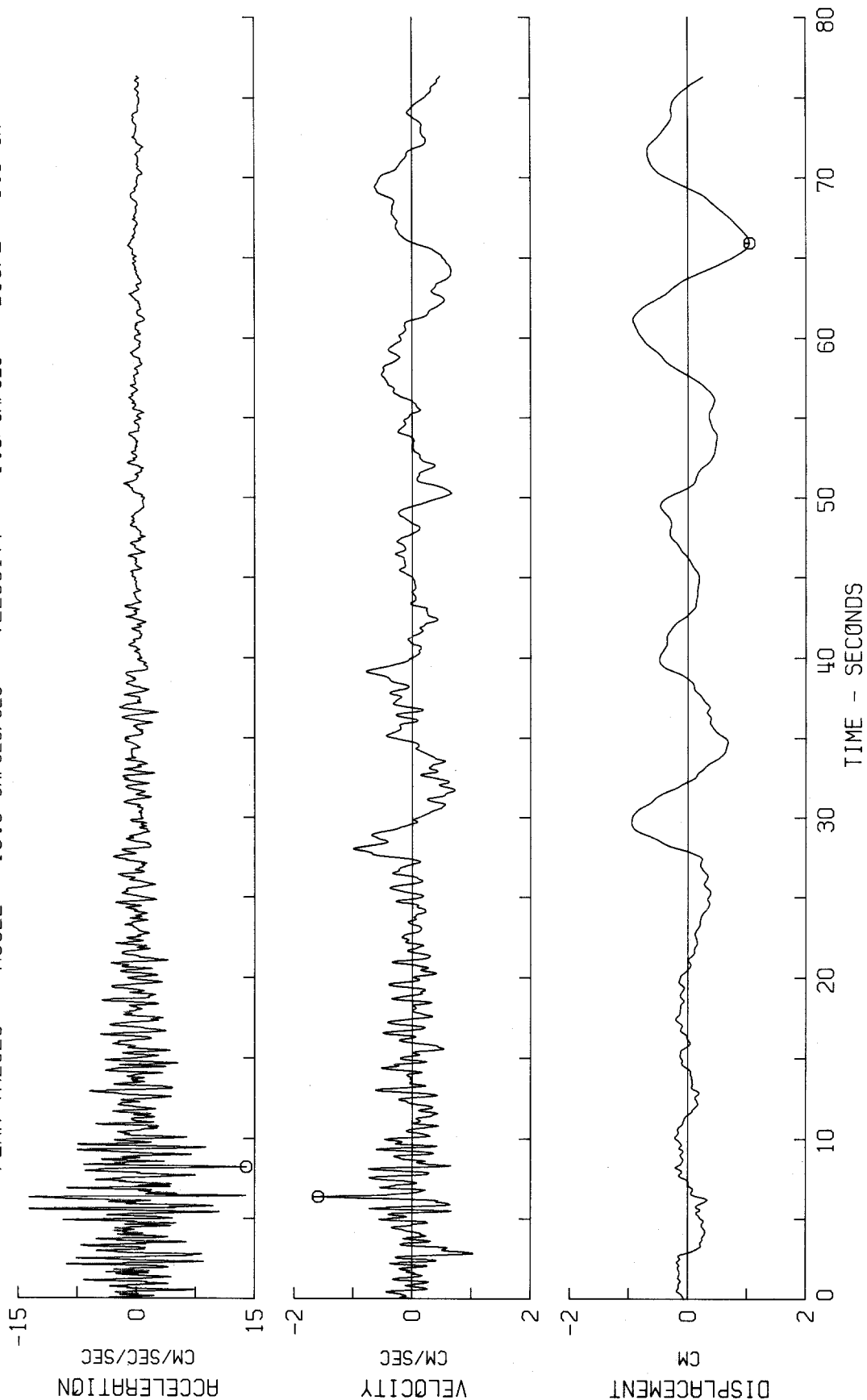




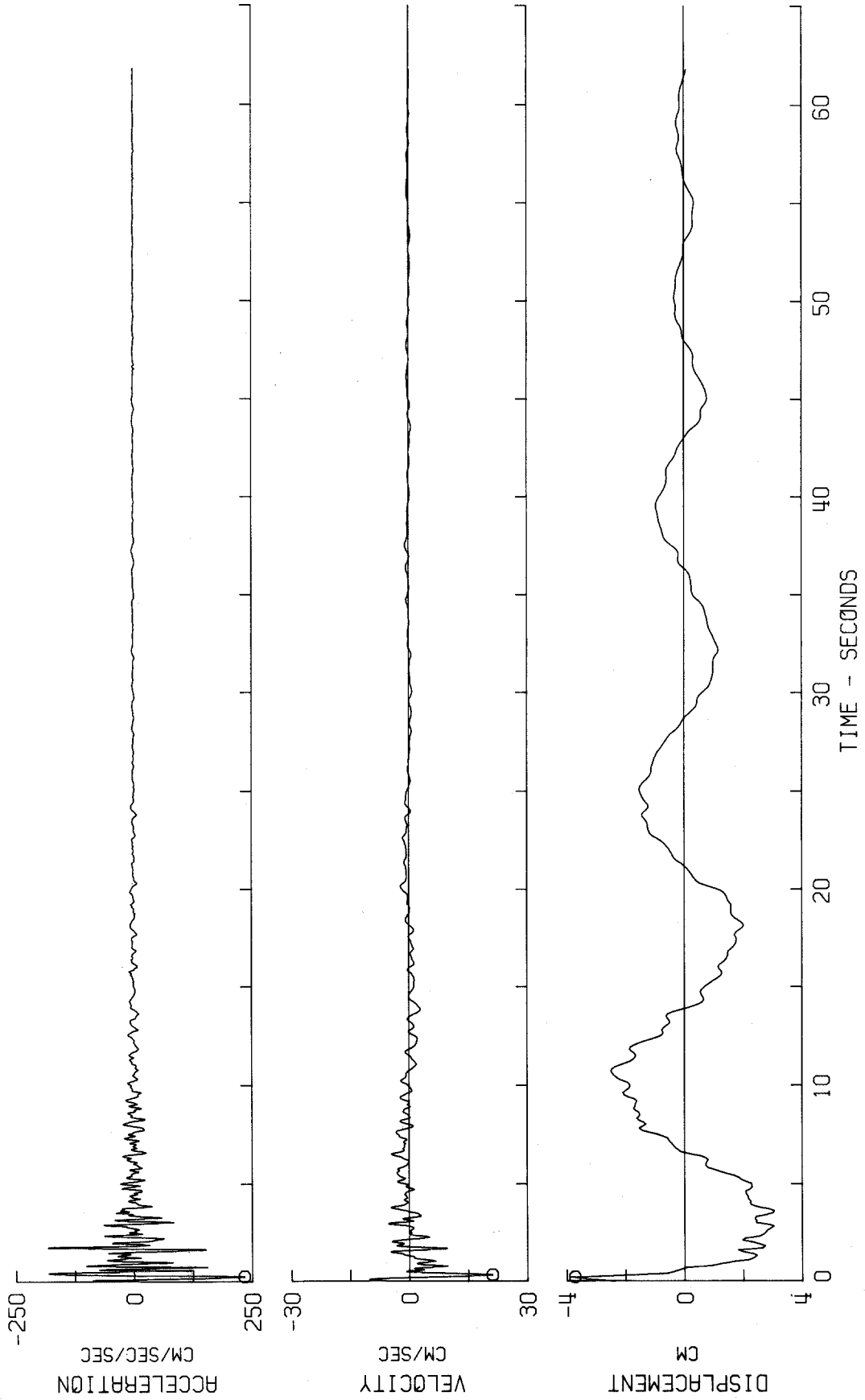
HUMBOLDT BAY EARTHQUAKE FEB 6, 1937 - 2042 PST  
 IIU298 37.001.0 CITY HALL • ALLUVIUM, FERNDALE, CALIFORNIA COMP S45W  
 ○ PEAK VALUES : ACCEL = 35.9 CM/SEC/SEC VELOCITY = 2.7 CM/SEC DISPL = 1.0 CM



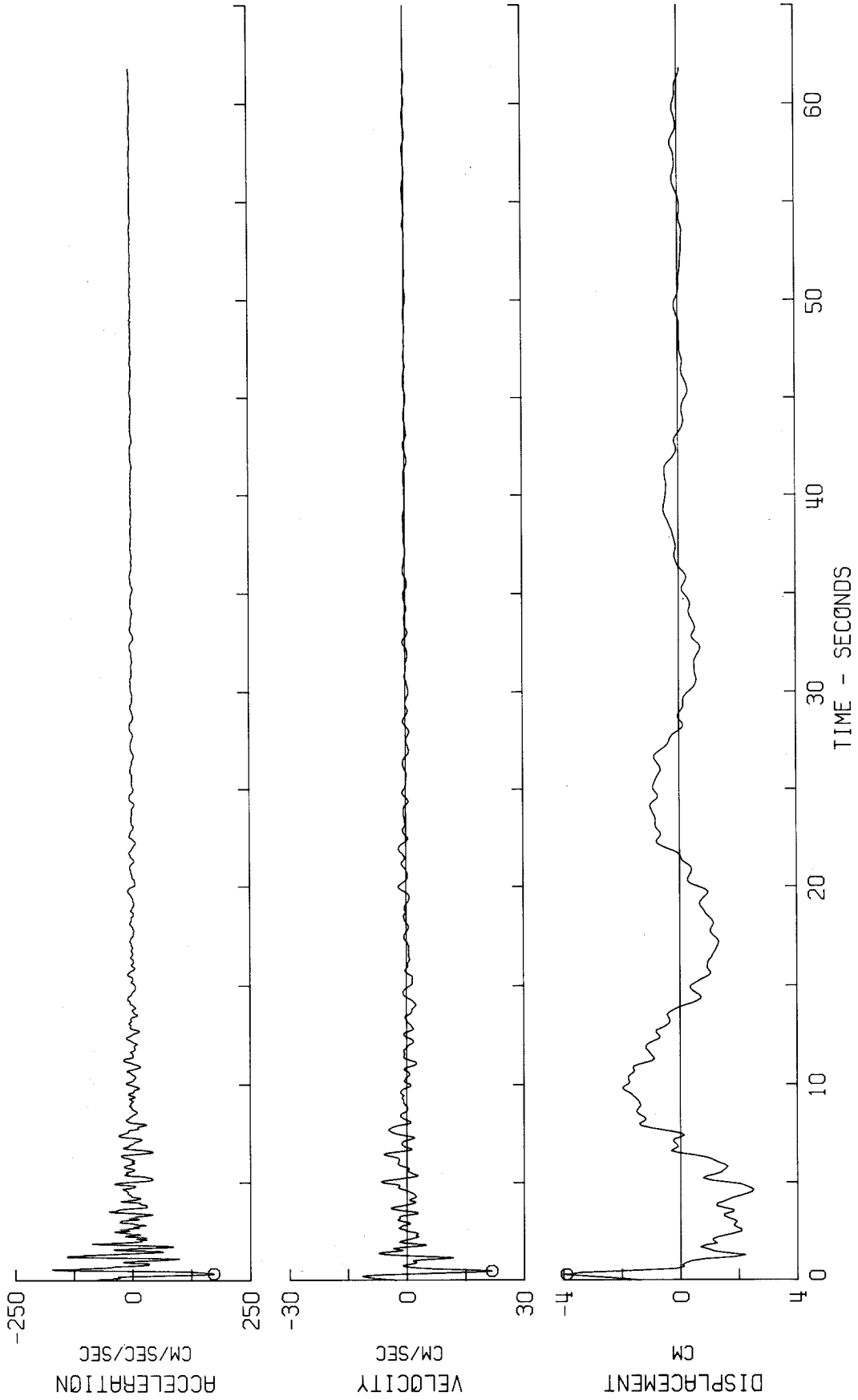
HUMBOLDT BAY EARTHQUAKE FEB 6, 1937 - 2042 PST  
 IIU298 37.001.0 CITY HALL: ALLUVIUM, FERNDALE, CALIFORNIA COMP UP  
 ○ PEAK VALUES : ACCEL = 13.9 CM/SEC/SEC VELOCITY = -1.6 CM/SEC DISPL = 1.0 CM



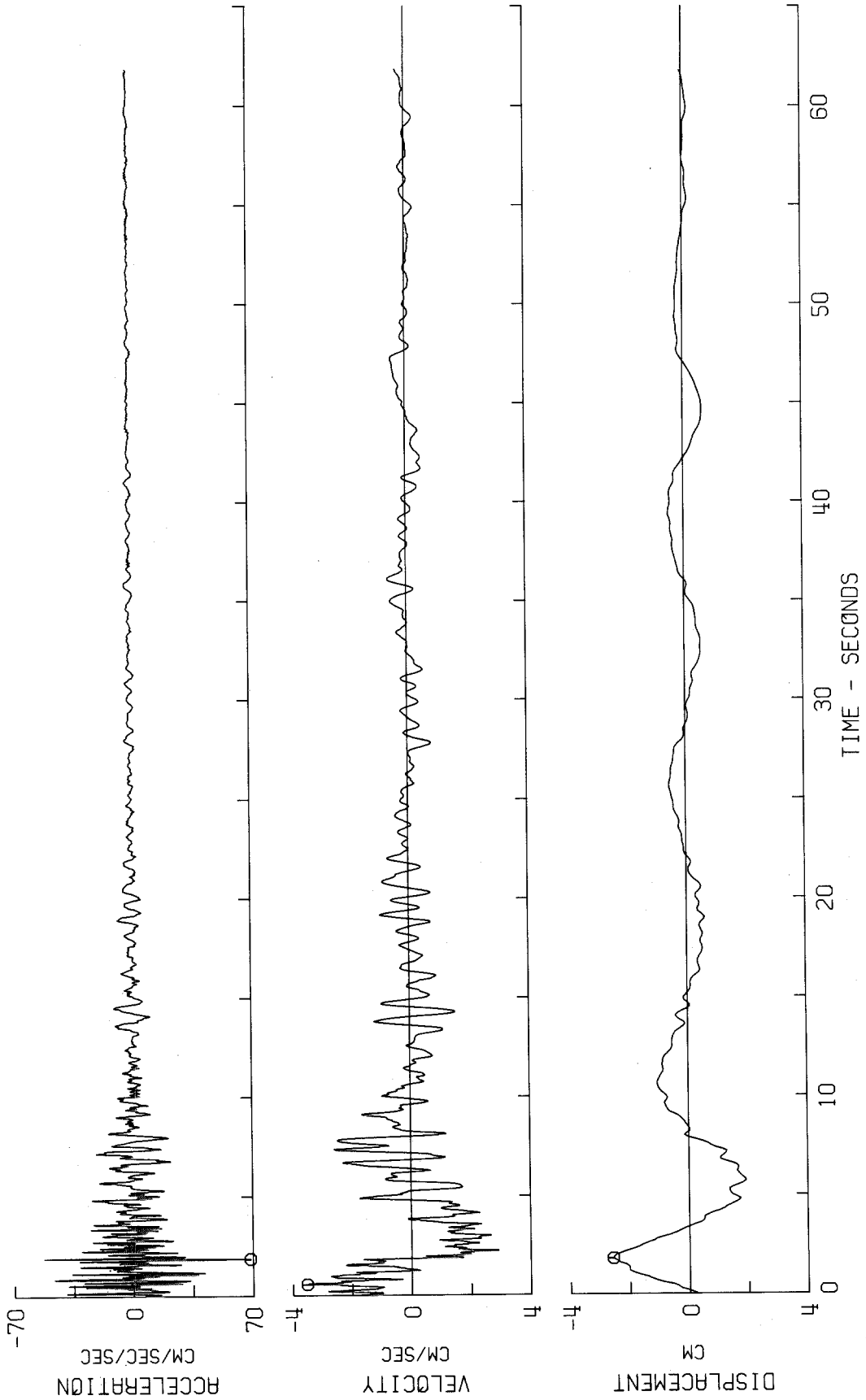
SANTA BARBARA EARTHQUAKE JUN 30, 1941 - 2351 PST  
IIU299 41.002.0 SANTA BARBARA COURT HOUSE, CALIFORNIA COMP N45E  
⊙ PEAK VALUES : ACCEL = 233.8 CM/SEC/SEC VELOCITY = 21.1 CM/SEC DISPL = -3.7 CM



SANTA BARBARA EARTHQUAKE JUN 30, 1941 - 2351 PST  
11U299 41.002.0 SANTA BARBARA COURT HOUSE, CALIFORNIA COMP S45E  
o PEAK VALUES : ACCEL = 172.3 CM/SEC/SEC VELOCITY = 21.7 CM/SEC DISPL = -3.9 CM



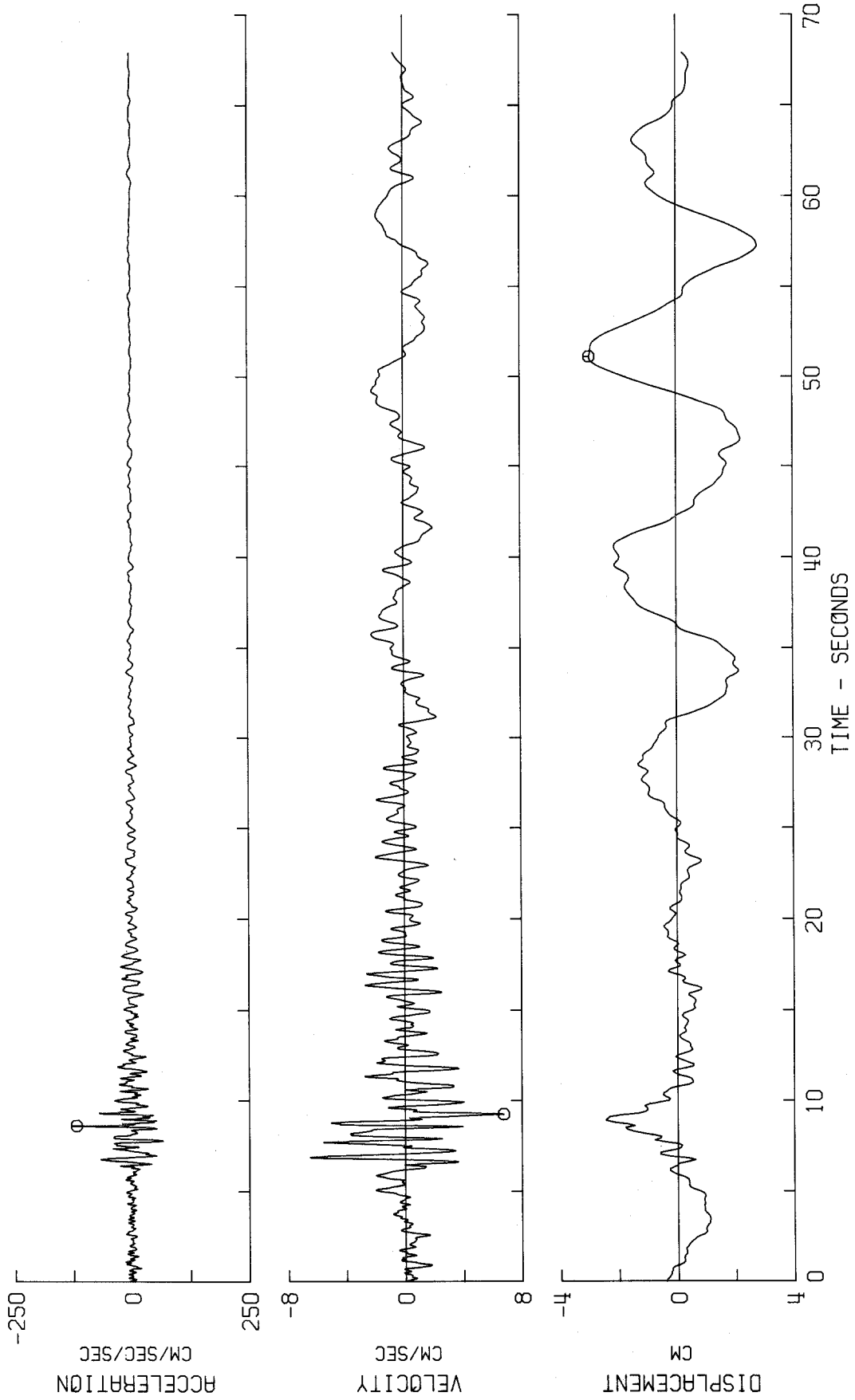
SANTA BARBARA EARTHQUAKE JUN 30, 1941 - 2351 PST  
IIU299 41.002.0 SANTA BARBARA COURT HOUSE, CALIFORNIA COMP UP  
PEAK VALUES : ACCEL = 68.5 CM/SEC/SEC VELOCITY = -3.5 CM/SEC DISPL = -2.6 CM



NORTHERN CALIFORNIA EARTHQUAKE OCT 3, 1941 - 0814 PST

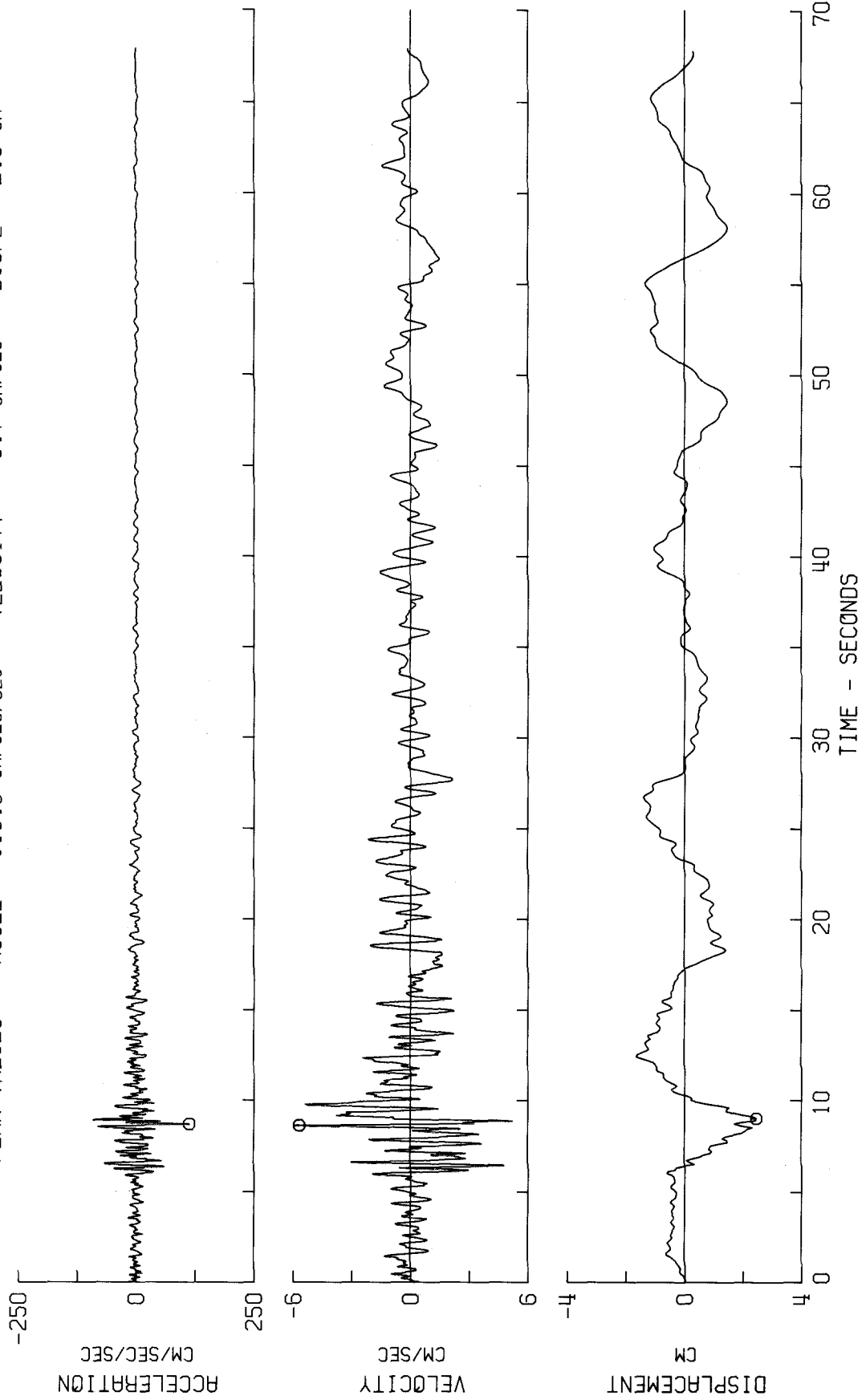
IIU300 41.003.0 CITY HALL, FERNDALE, CALIFORNIA COMP N45W

⊙ PEAK VALUES : ACCEL = -118.6 CM/SEC/SEC VELOCITY = 6.8 CM/SEC DISPL = -3.0 CM



NORTHERN CALIFORNIA EARTHQUAKE OCT 3, 1941 - 0814 PST  
IIU300 41.003.0 CITY HALL, FERNDALE, CALIFORNIA COMP S45W

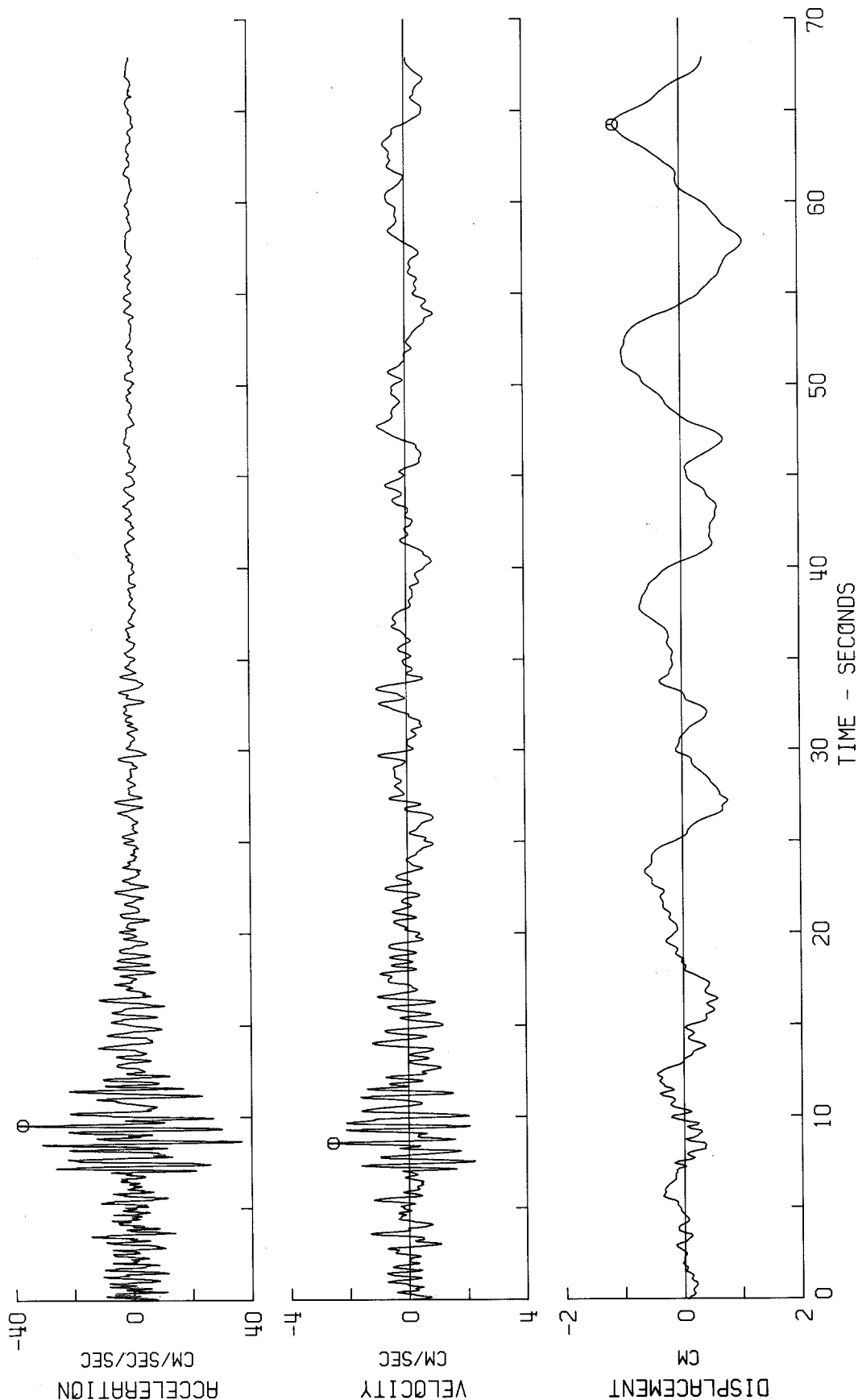
⊙ PEAK VALUES : ACCEL = 113.6 CM/SEC/SEC VELOCITY = -5.7 CM/SEC DISPL = 2.5 CM



NORTHERN CALIFORNIA EARTHQUAKE OCT 3, 1941 - 0814 PST

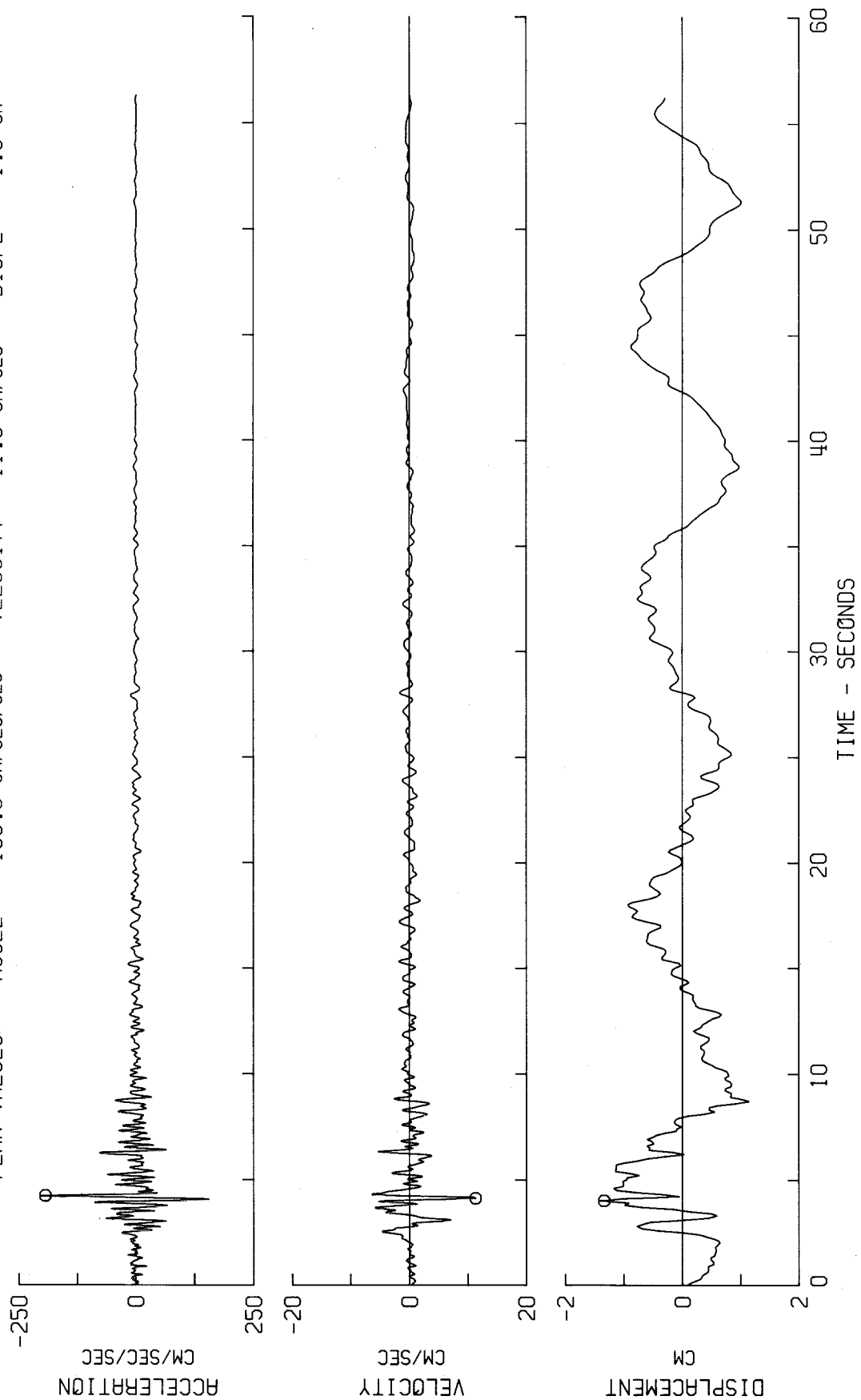
IIU300 41.003.0 CITY HALL, FERNDALE, CALIFORNIA COMP UP

PEAK VALUES : ACCEL = -37.5 CM/SEC/SEC VELOCITY = -2.6 CM/SEC DISPL = -1.1 CM

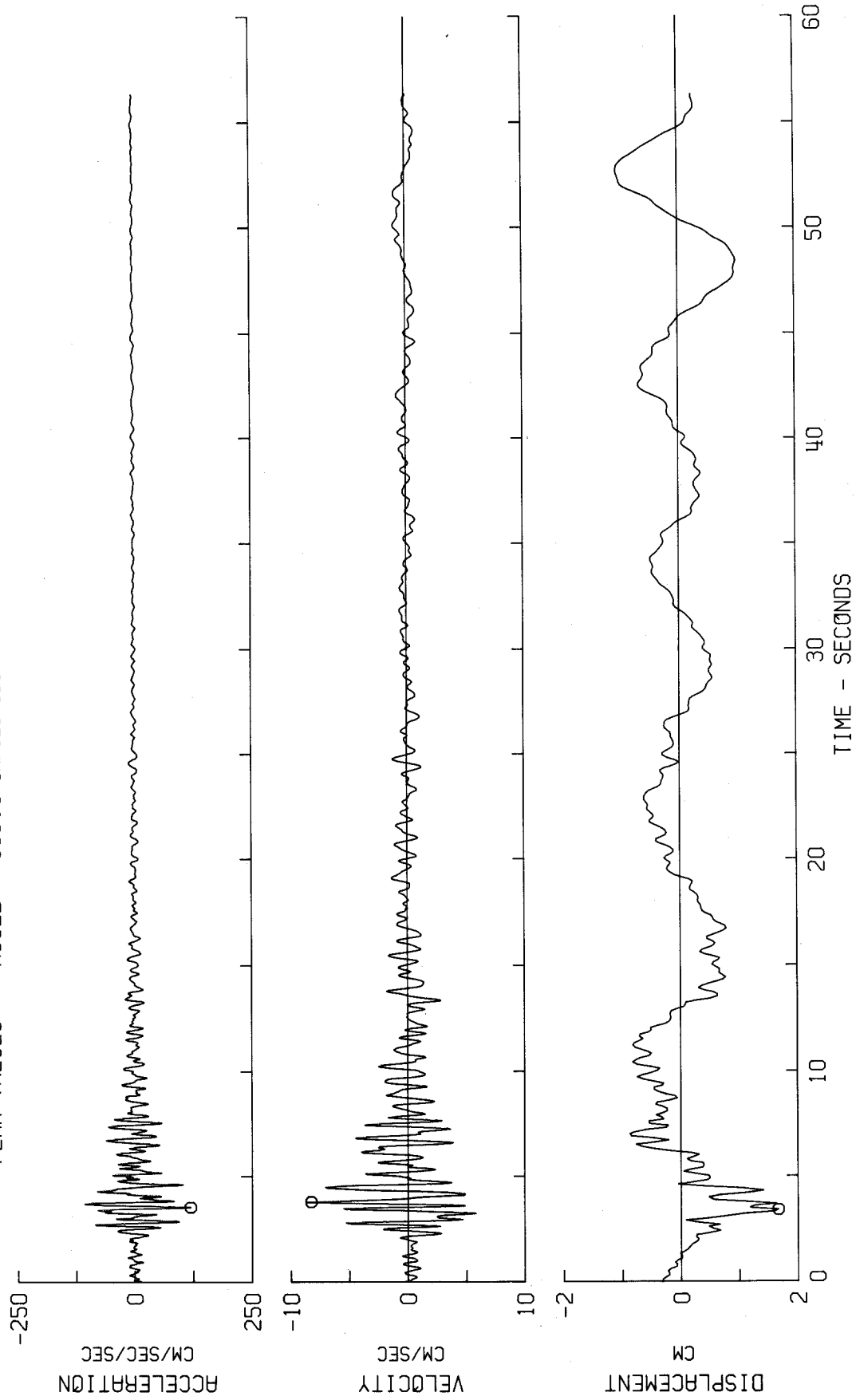




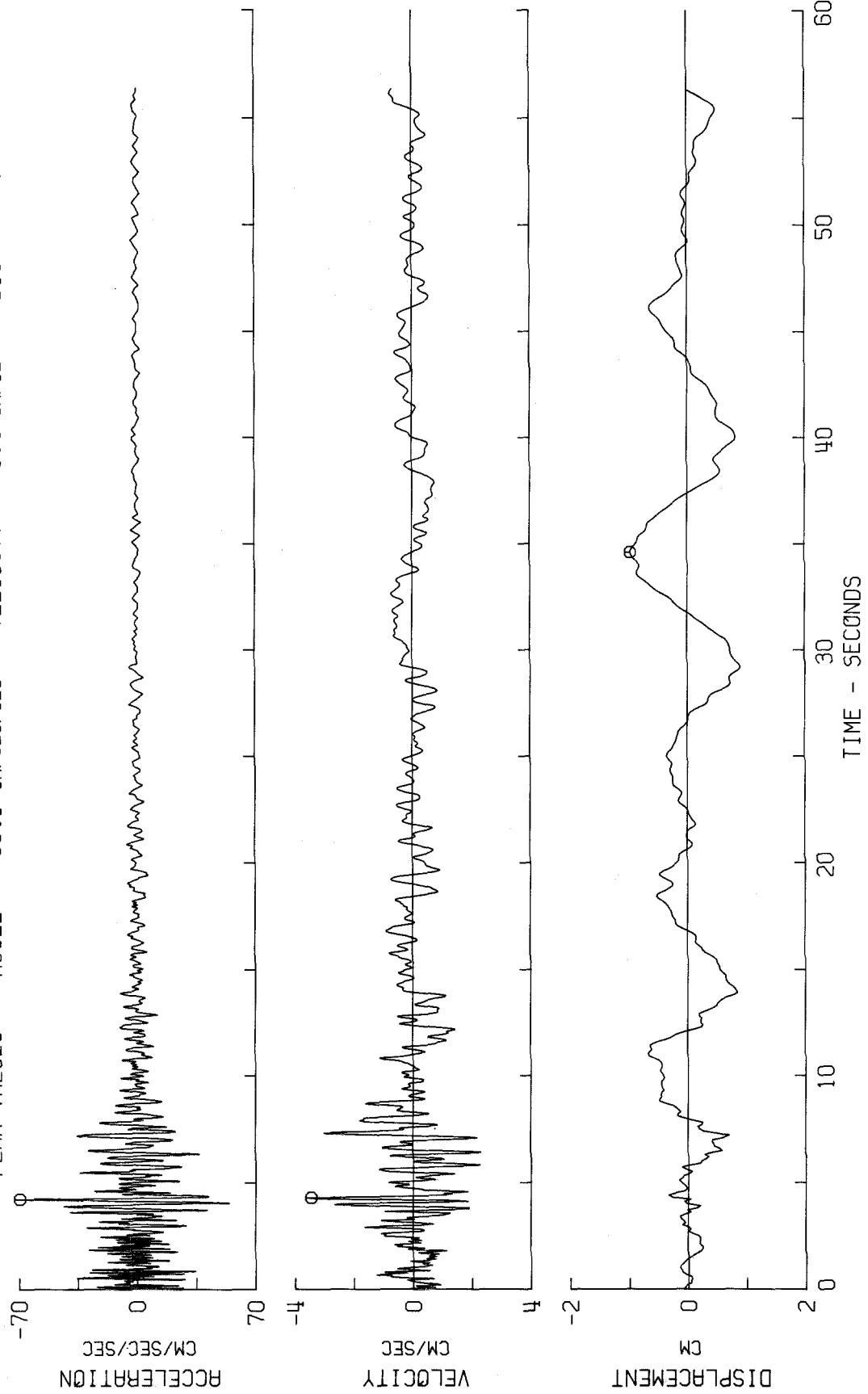
NORTHERN CALIFORNIA EARTHQUAKE MAR 9, 1949 - 0429 PST  
 IIU301 49.001.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP N89W  
 ○ PEAK VALUES : ACCEL = -193.6 CM/SEC/SEC VELOCITY = 11.3 CM/SEC DISPL = -1.3 CM



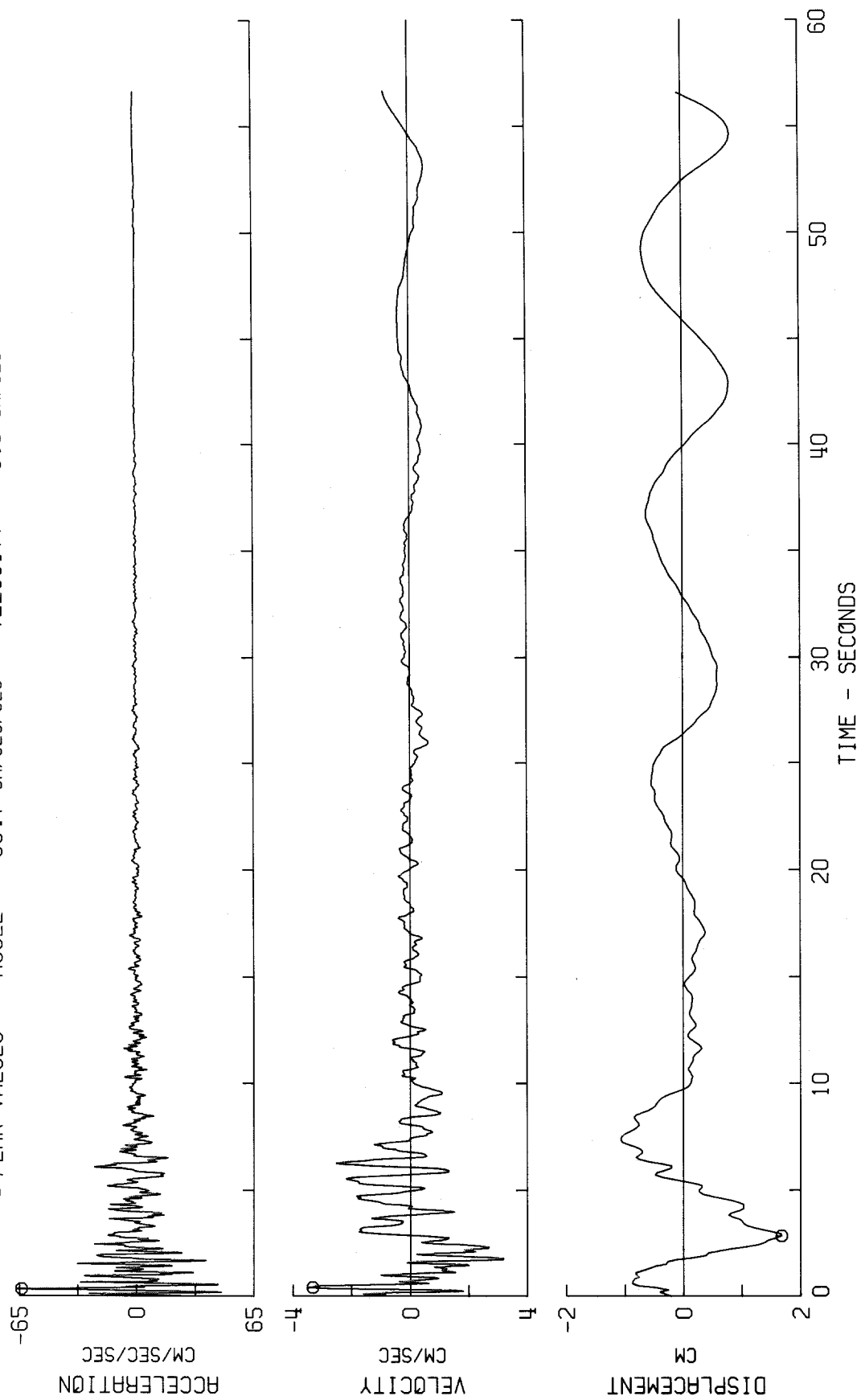
NORTHERN CALIFORNIA EARTHQUAKE MAR 9, 1949 - 0429 PST  
IIU301 49.001.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP S01W  
PEAK VALUES: ACCEL = 119.4 CM/SEC/SEC VELOCITY = -8.3 CM/SEC DISPL = 1.7 CM



NORTHERN CALIFORNIA EARTHQUAKE MAR 9, 1949 - 0429 PST  
IIU301 49.001.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP  
⊙ PEAK VALUES : ACCEL = -69.5 CM/SEC/SEC VELOCITY = -3.4 CM/SEC DISPL = -1.0 CM

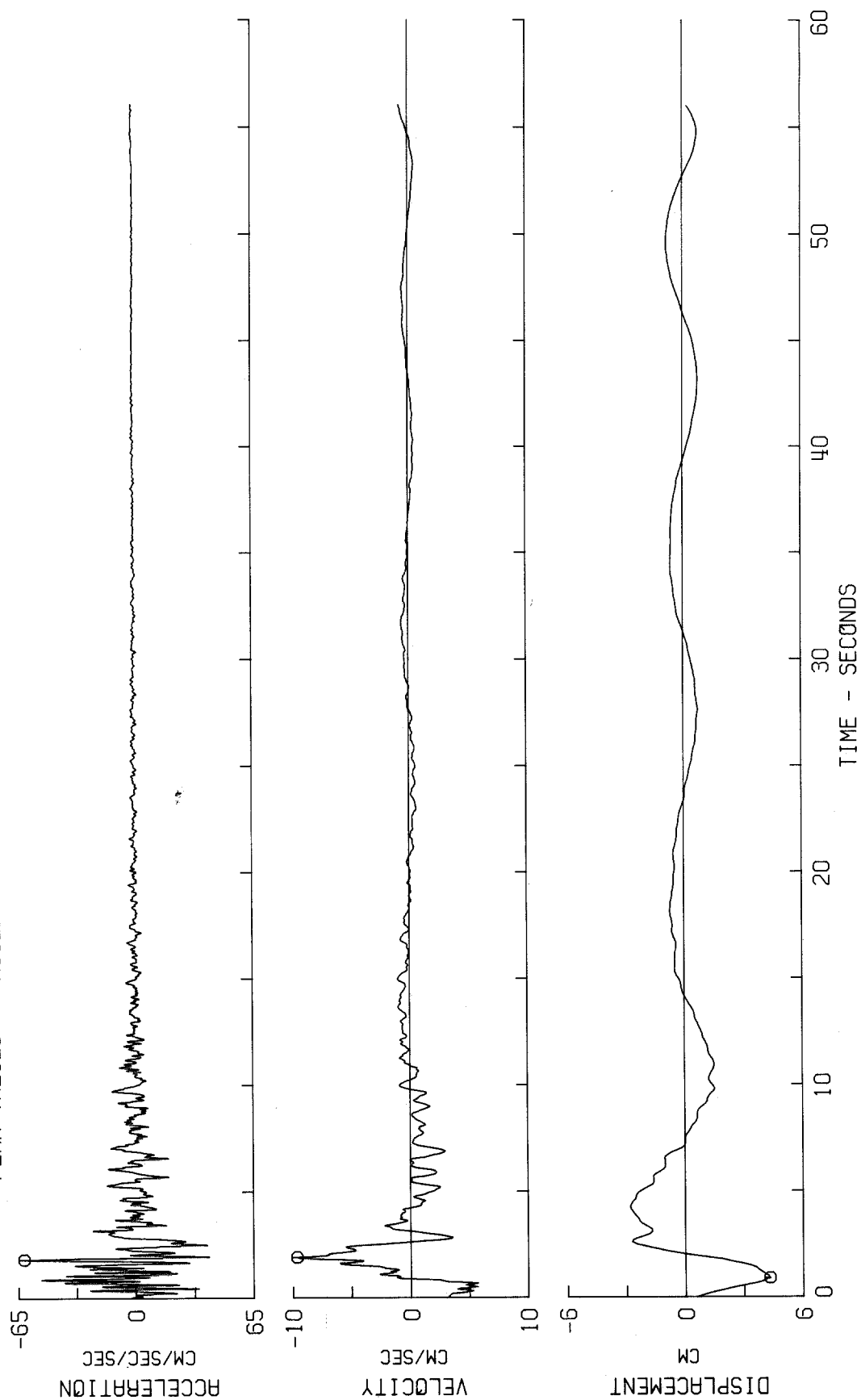


KERN COUNTY EQ. 1ST AFTERSHOCK JUL 23-31,52 - 0000 PST  
 11U302 52.007.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP N10E  
 Ø PEAK VALUES : ACCEL = -63.7 CM/SEC/SEC VELOCITY = -3.3 CM/SEC DISPL = 1.7 CM



KERN COUNTY EQ. 1ST AFTERSHOCK JUL 23-31.52 - 0000 PST  
IIU302 52.007.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP S80E

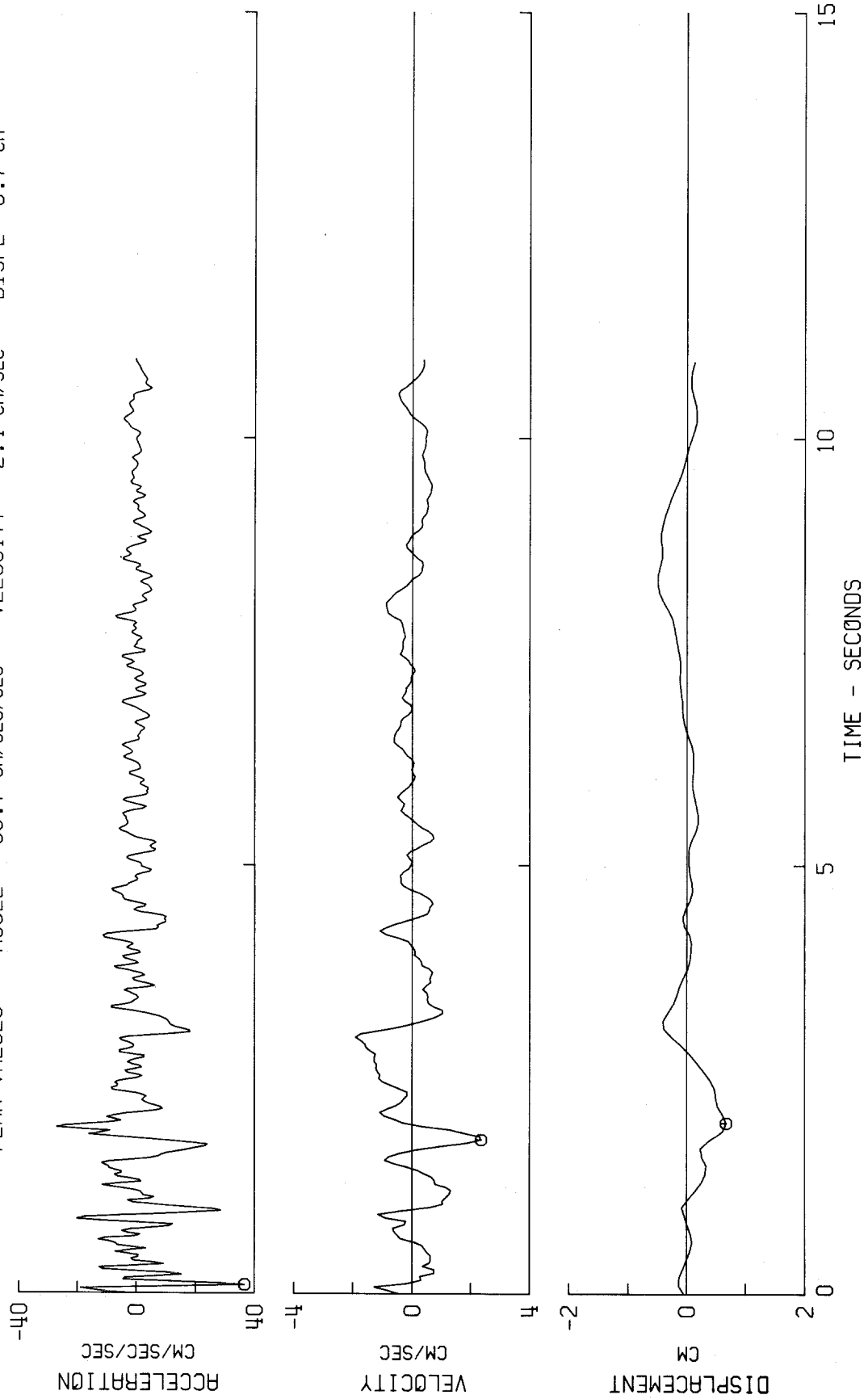
PEAK VALUES : ACCEL = -61.8 CM/SEC/SEC VELOCITY = -9.6 CM/SEC DISPL = 4.3 CM



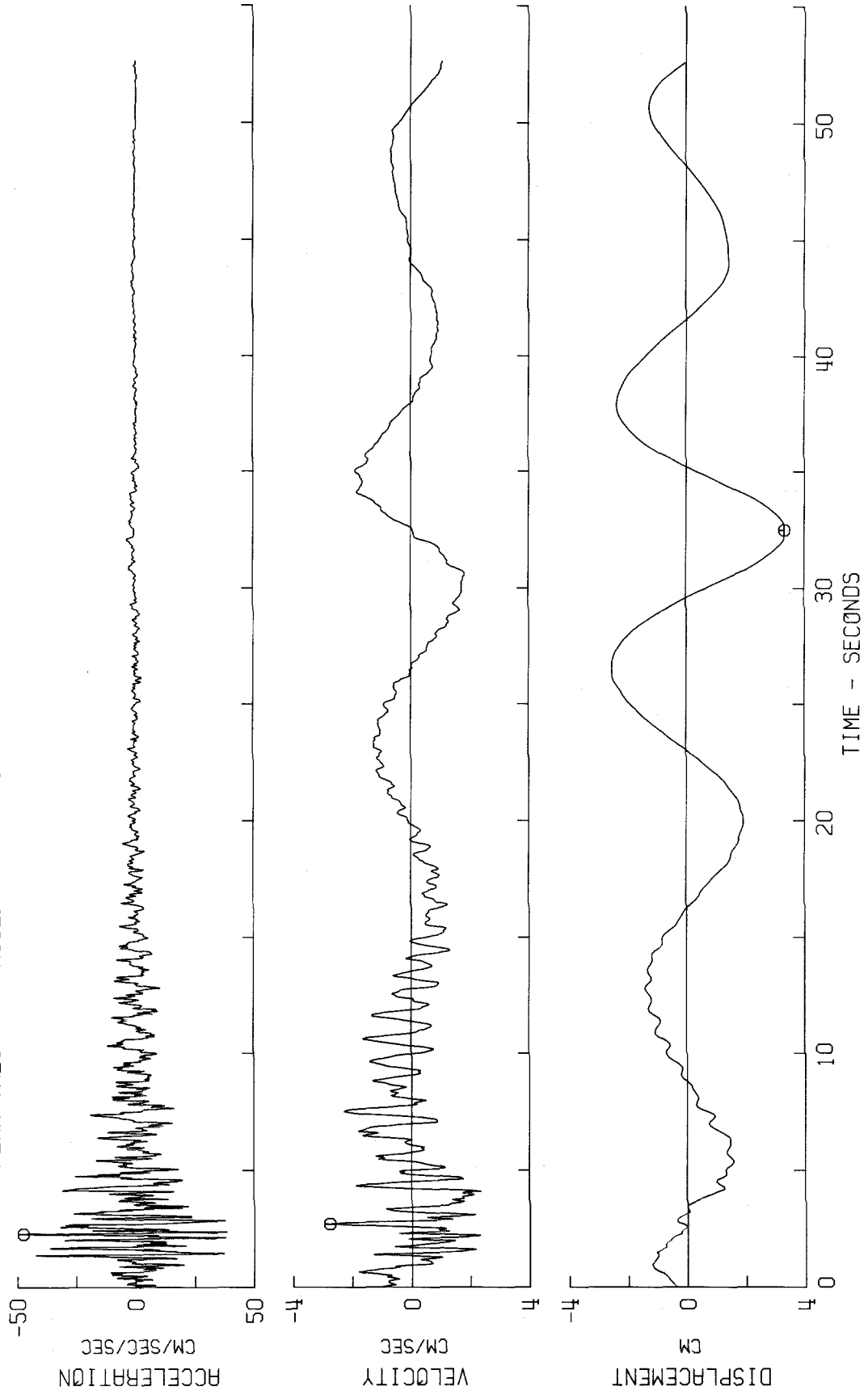
KERN COUNTY EQ. 1ST AFTERSHOCK JUL 23-31,52 - 0000 PST

IIU302 52.007.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP UP

⊙ PEAK VALUES : ACCEL = 36.7 CM/SEC/SEC VELOCITY = 2.4 CM/SEC DISPL = 0.7 CM



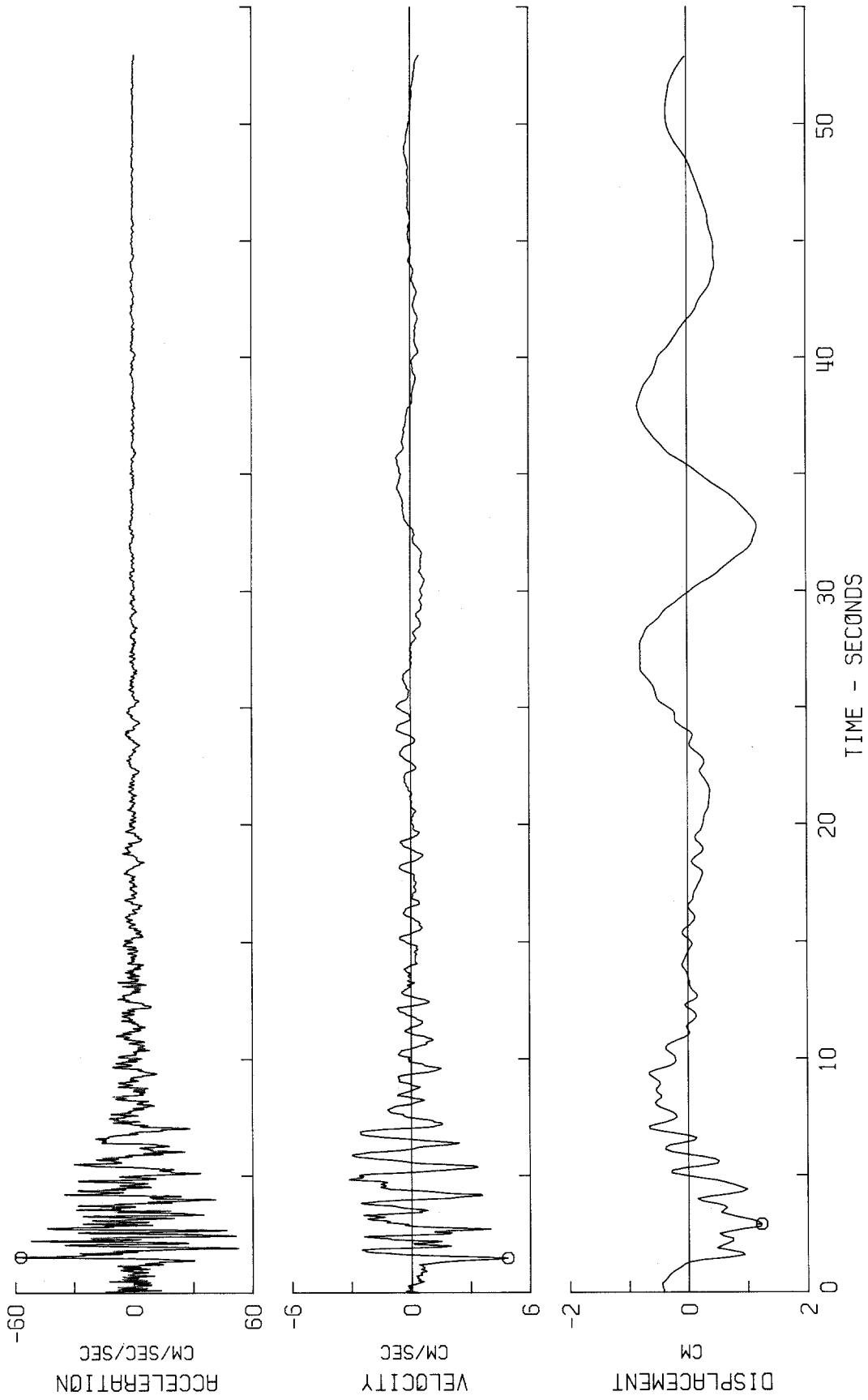
KERN COUNTY EQ. 2ND AFTERSHOCK JUL 23-31,52 - 0000 PST  
IIU303 52.008.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP N10E  
Ø PEAK VALUES : ACCEL = -47.5 CM/SEC/SEC VELOCITY = -2.8 CM/SEC DISPL = 3.3 CM



KERN COUNTY EQ. 2ND AFTERSHOCK JUL 23-31,52 - 0000 PST

IIU303 52.008.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP S80E

⊙ PEAK VALUES : ACCEL = -57.3 CM/SEC/SEC VELOCITY = 4.9 CM/SEC DISPL = 1.2 CM

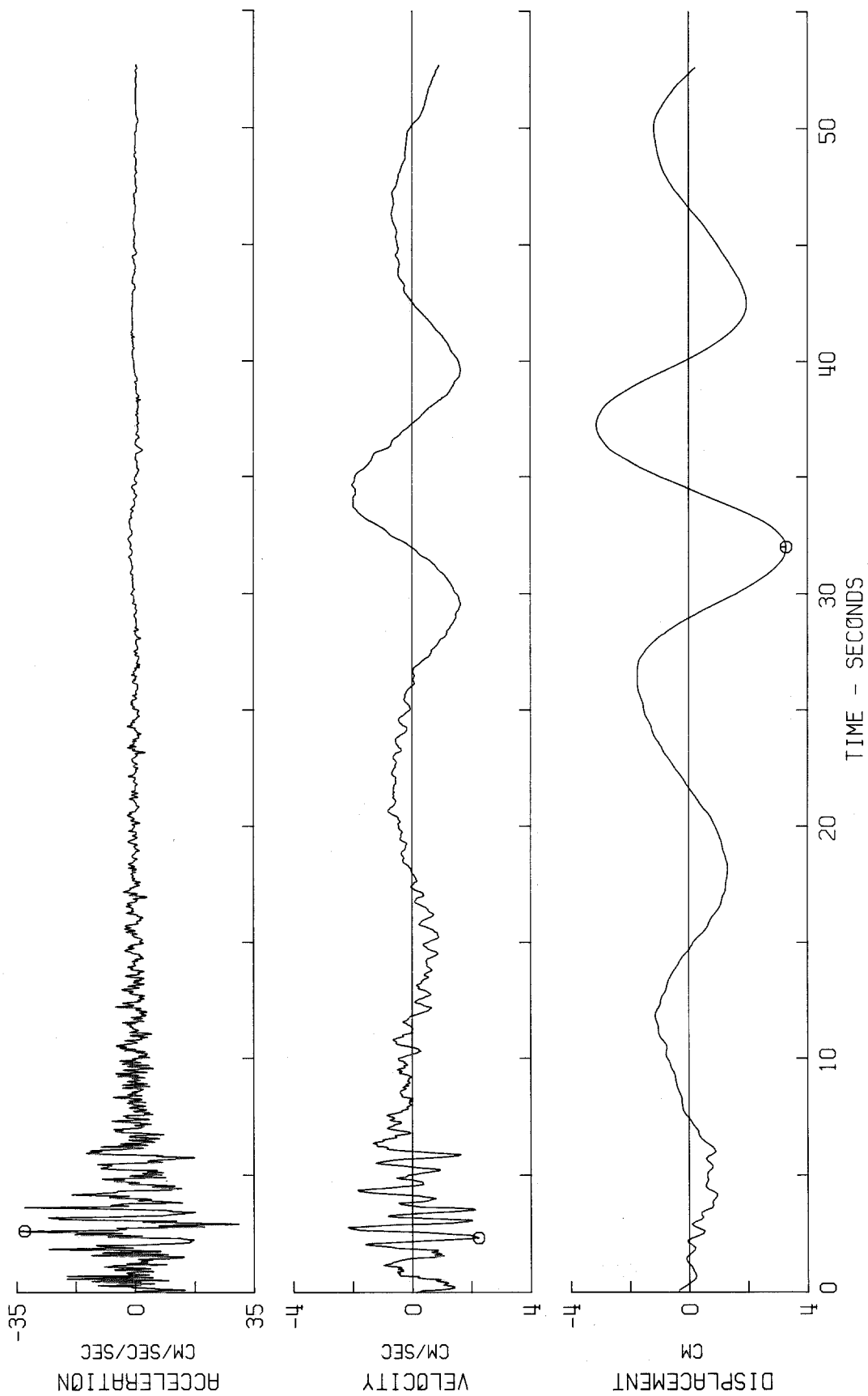




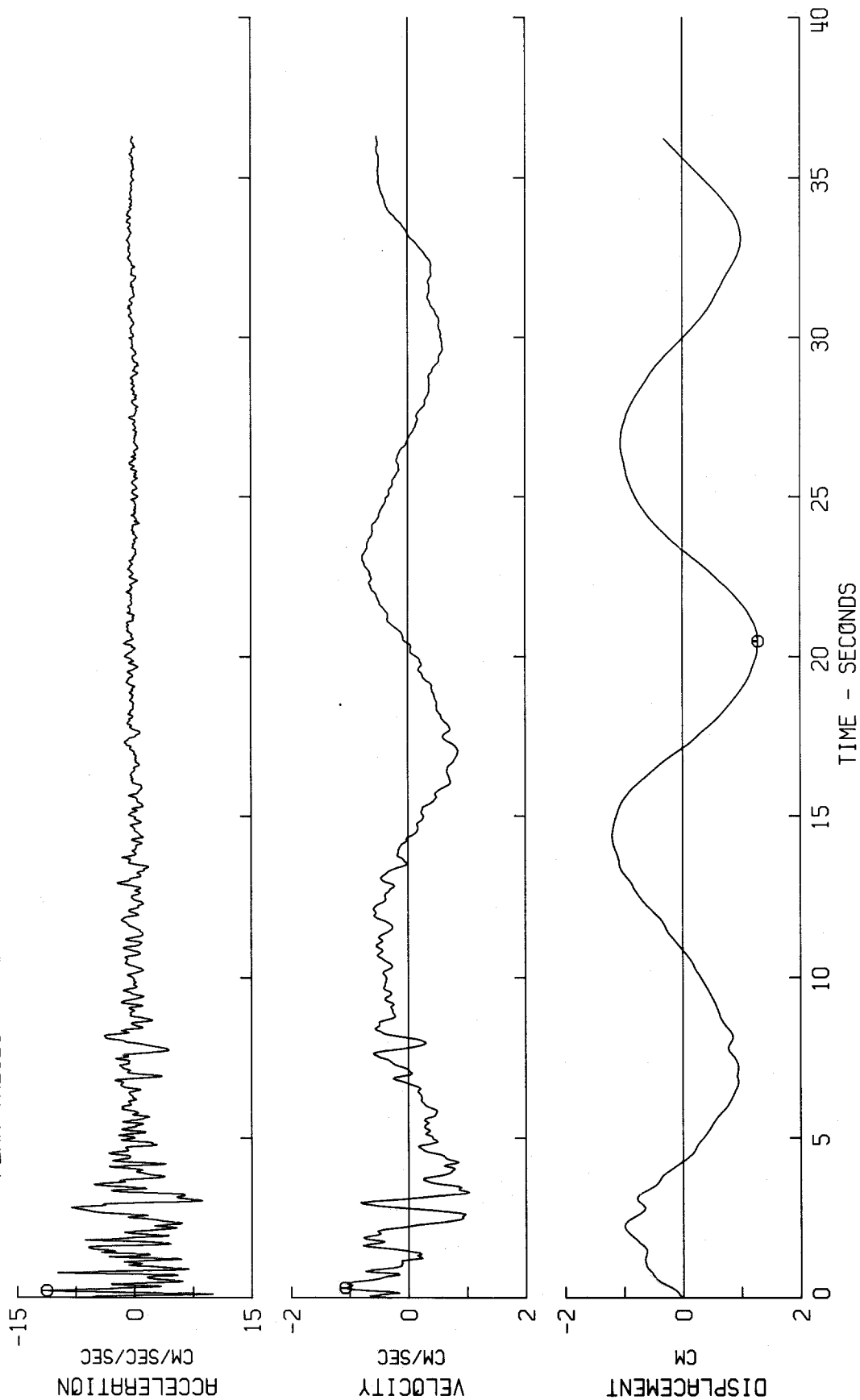
KERN COUNTY EQ. 2ND AFTERSHOCK JUL 23-31,52 - 0000 PST

IIU303 52.008.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP UP

⊙ PEAK VALUES : ACCEL = -32.6 CM/SEC/SEC VELOCITY = 2.2 CM/SEC DISPL = 3.3 CM

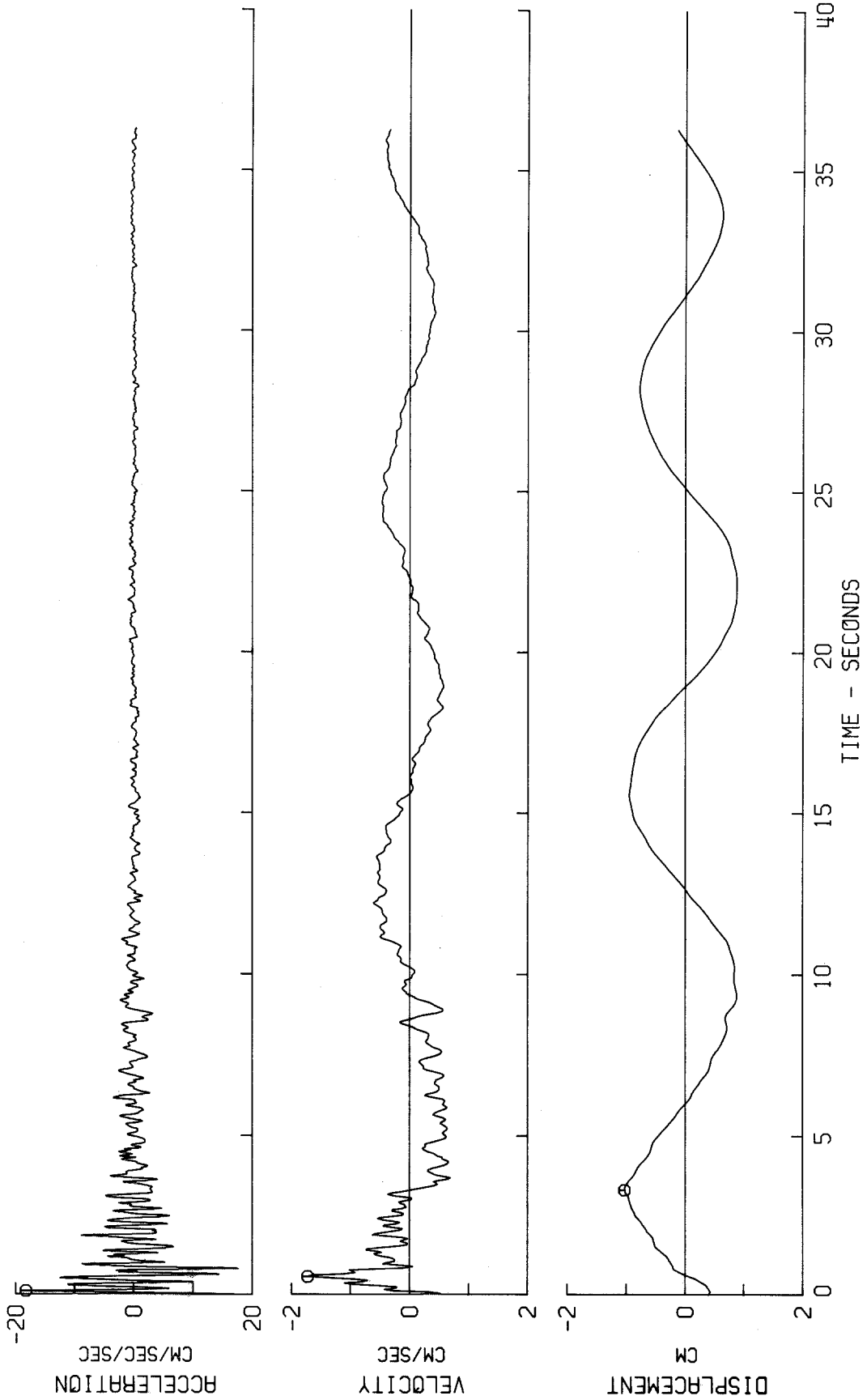


KERN COUNTY EQ. 5TH AFTERSHOCK JUL 23-31,52 - 0000 PST  
IIU304 52.010.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP N10E  
o PEAK VALUES : ACCEL = -11.2 CM/SEC/SEC VELOCITY = -1.1 CM/SEC DISPL = 1.3 CM

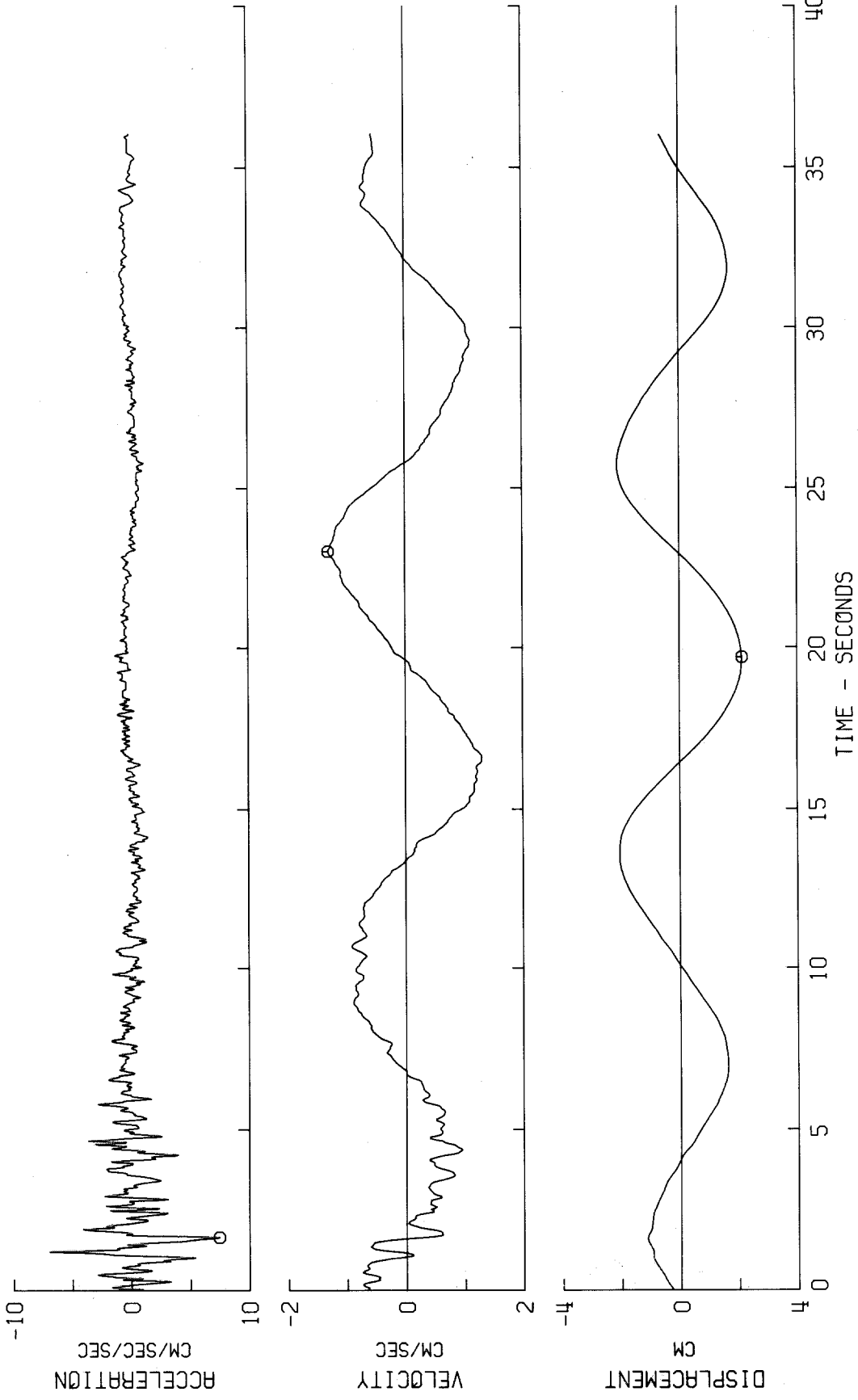


KERN COUNTY EQ. 5TH AFTERSHOCK JUL 23-31,52 - 0000 PST  
 IIU304 52.010.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP S80E

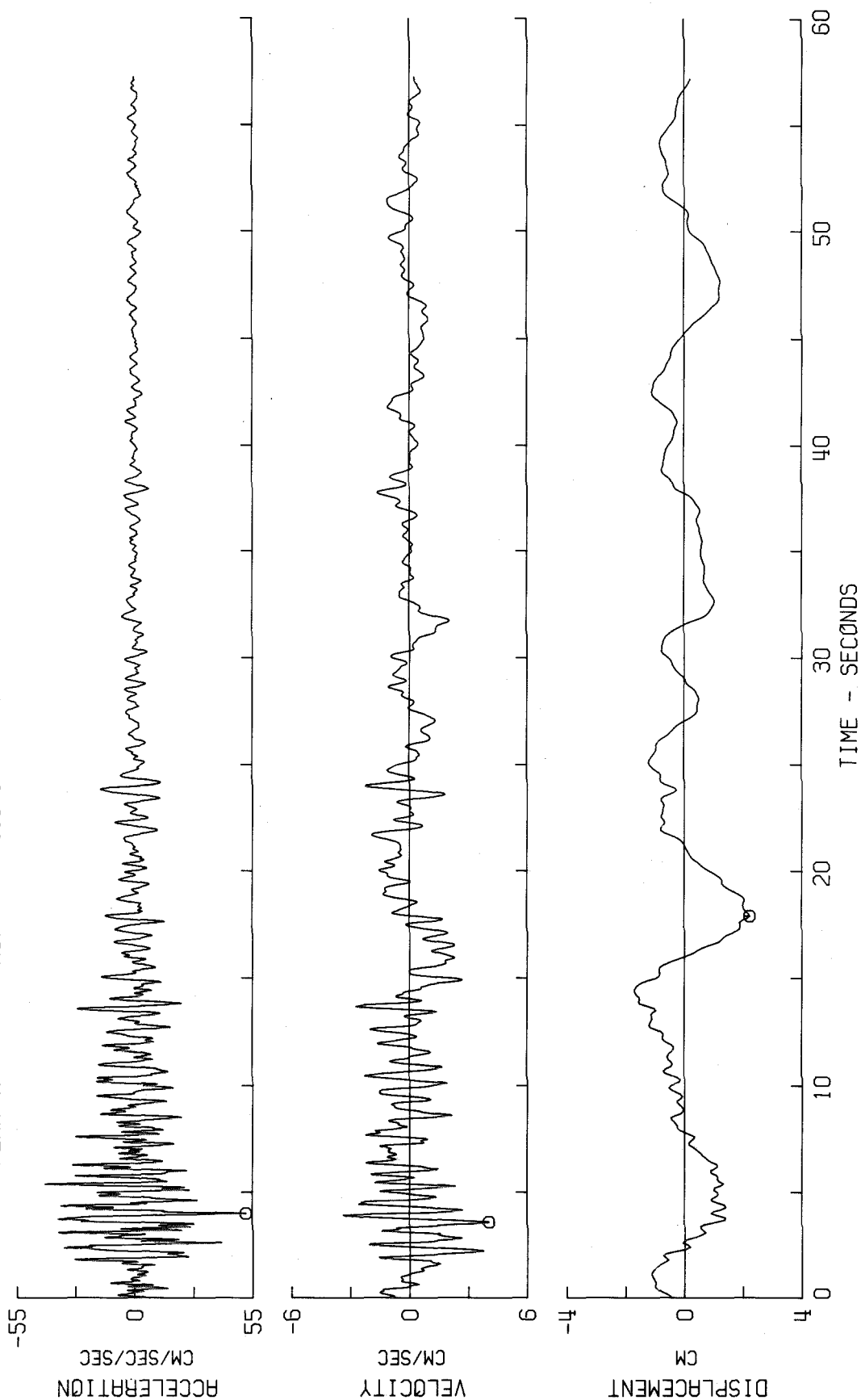
⊙ PEAK VALUES : ACCEL = -18.2 CM/SEC/SEC VELOCITY = -1.7 CM/SEC DISPL = -1.0 CM



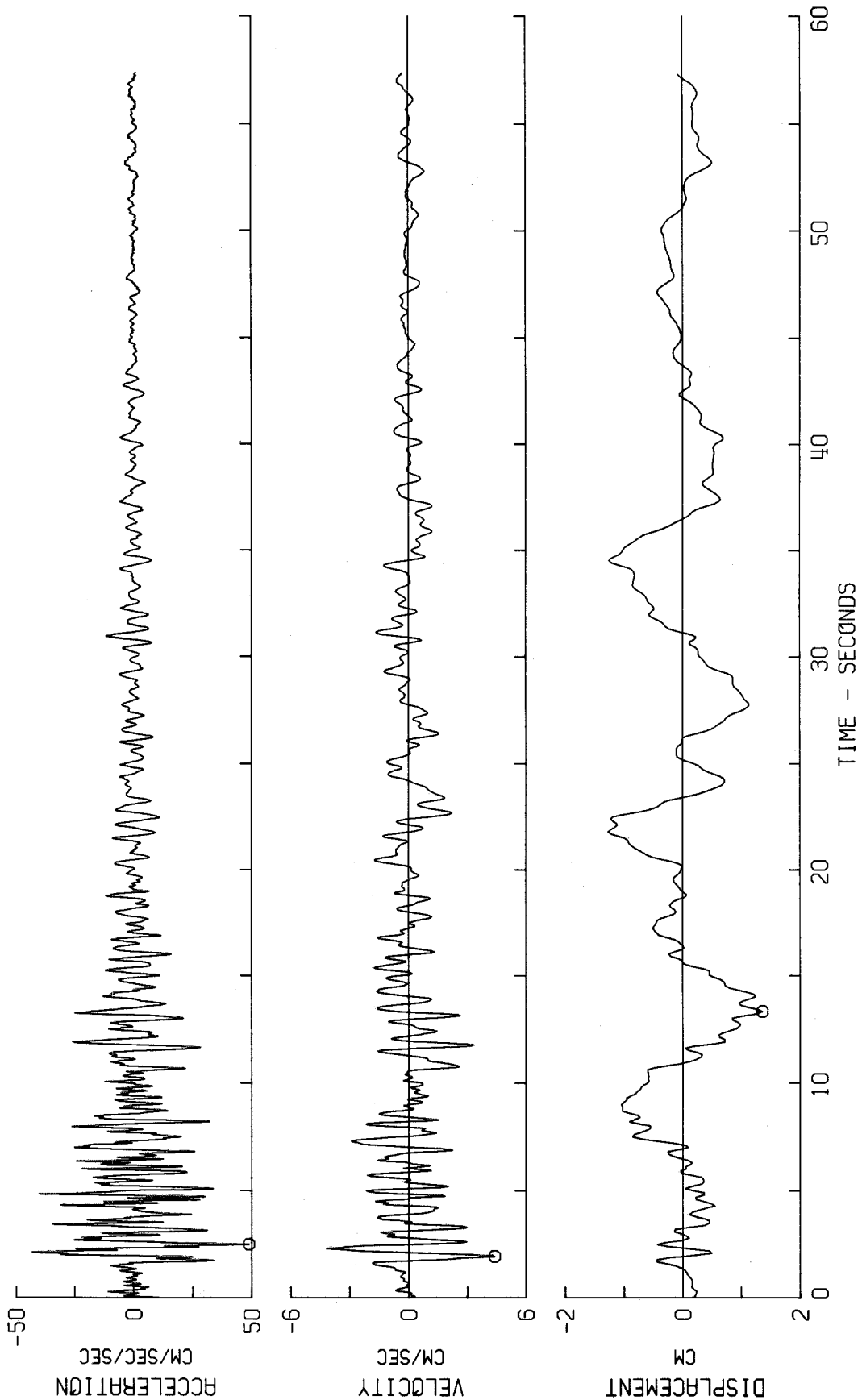
KERN COUNTY EQ. 5TH AFTERSHOCK JUL 23-31,52 - 0000 PST  
IIU304 52.010.0 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP UP  
PEAK VALUES : ACCEL = 7.4 CM/SEC/SEC VELOCITY = -1.3 CM/SEC DISPL = 2.1 CM



CENTRAL CALIFORNIA EARTHQUAKE APR 25, 1954 - 1234 PST  
IIU305 54.002.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP N89W  
PEAK VALUES : ACCEL = 52.0 CM/SEC/SEC VELOCITY = 4.1 CM/SEC DISPL = 2.2 CM

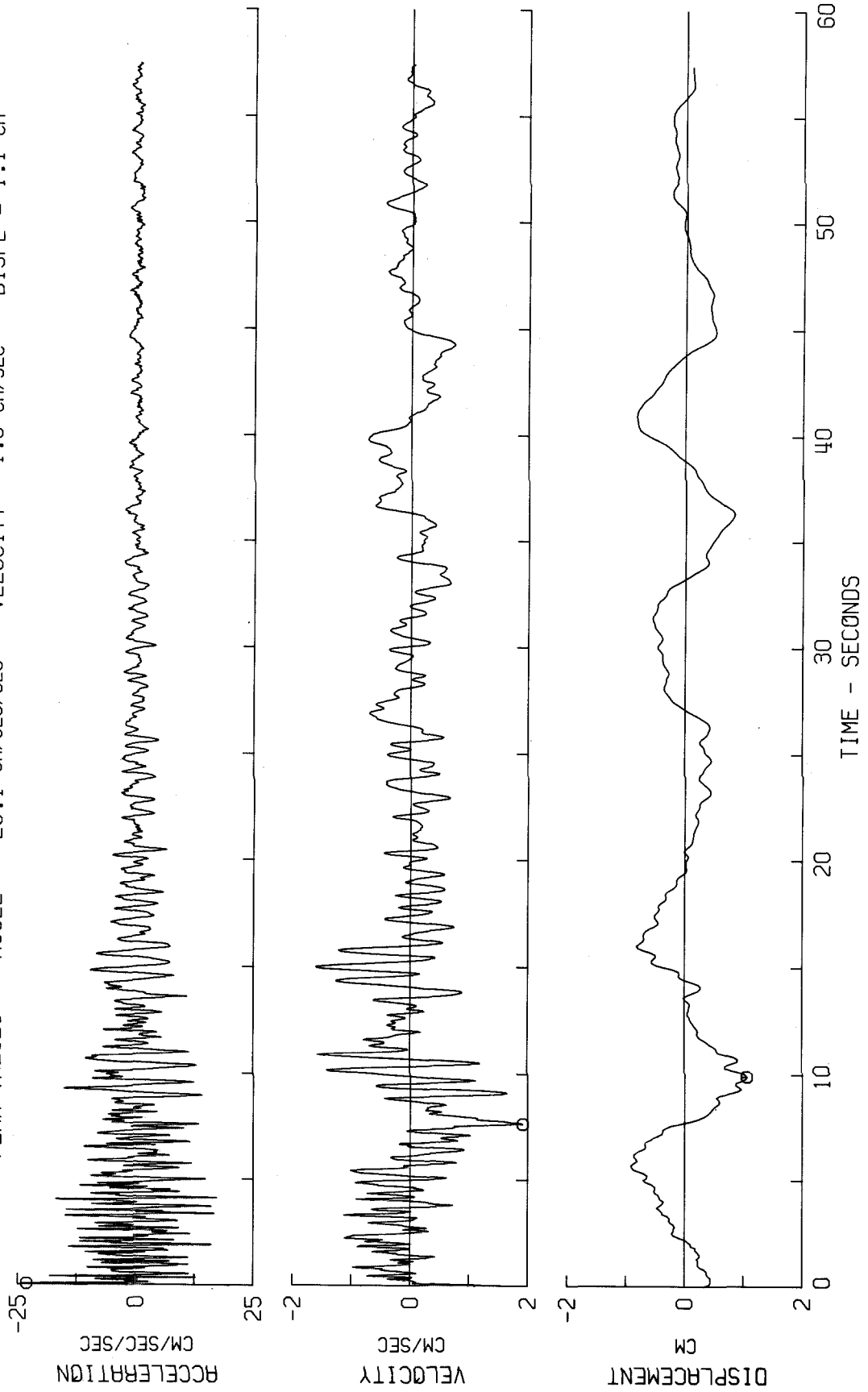


CENTRAL CALIFORNIA EARTHQUAKE APR 25, 1954 - 1234 PST  
 IIU305 54.002.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP S01W  
 ○ PEAK VALUES : ACCEL = 48.9 CM/SEC/SEC VELOCITY = 4.4 CM/SEC DISPL = 1.4 CM

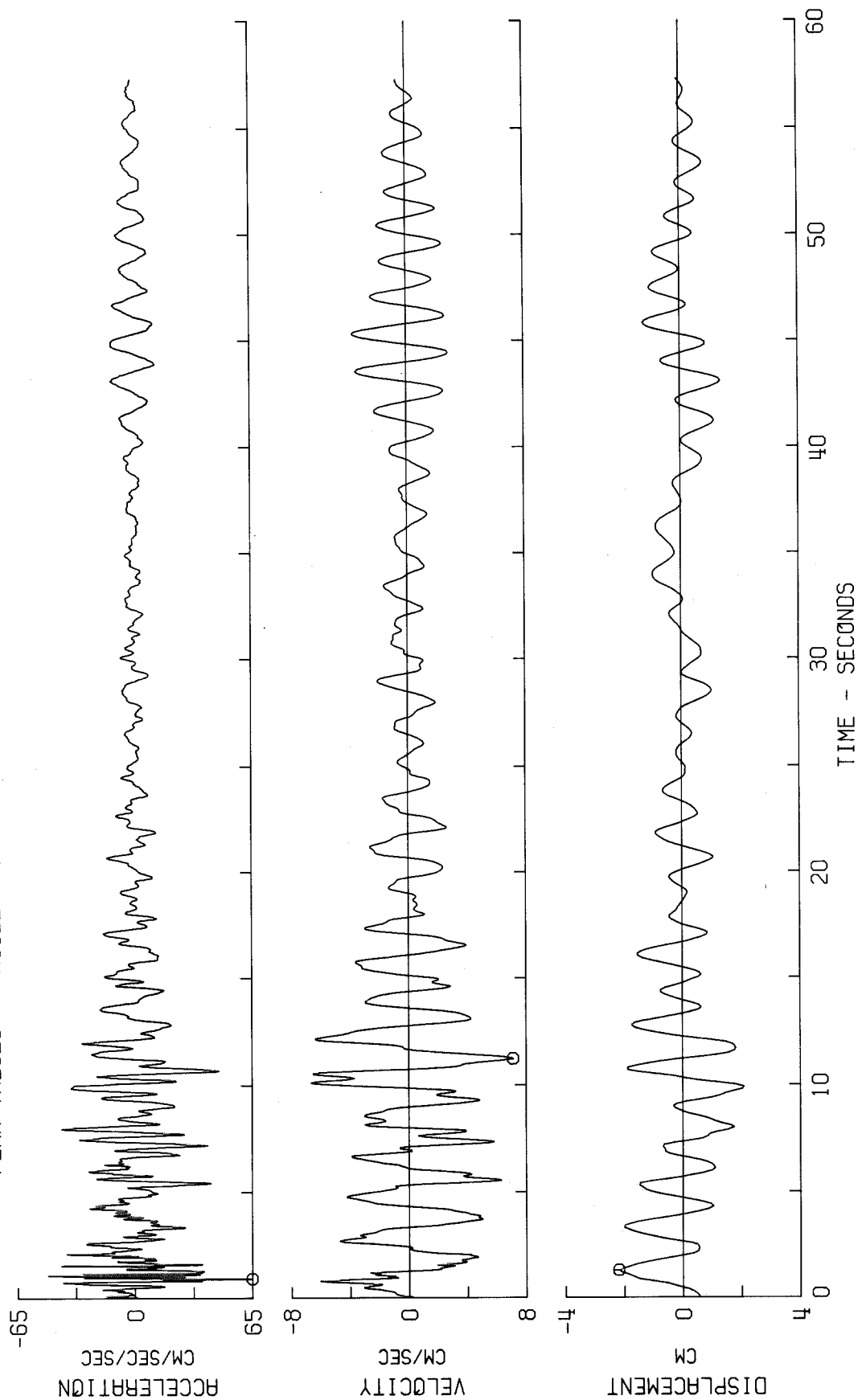


CENTRAL CALIFORNIA EARTHQUAKE APR 25, 1954 - 1234 PST  
 IIU305 54.002.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP

○ PEAK VALUES : ACCEL = -23.1 CM/SEC/SEC VELOCITY = 1.9 CM/SEC DISPL = 1.1 CM

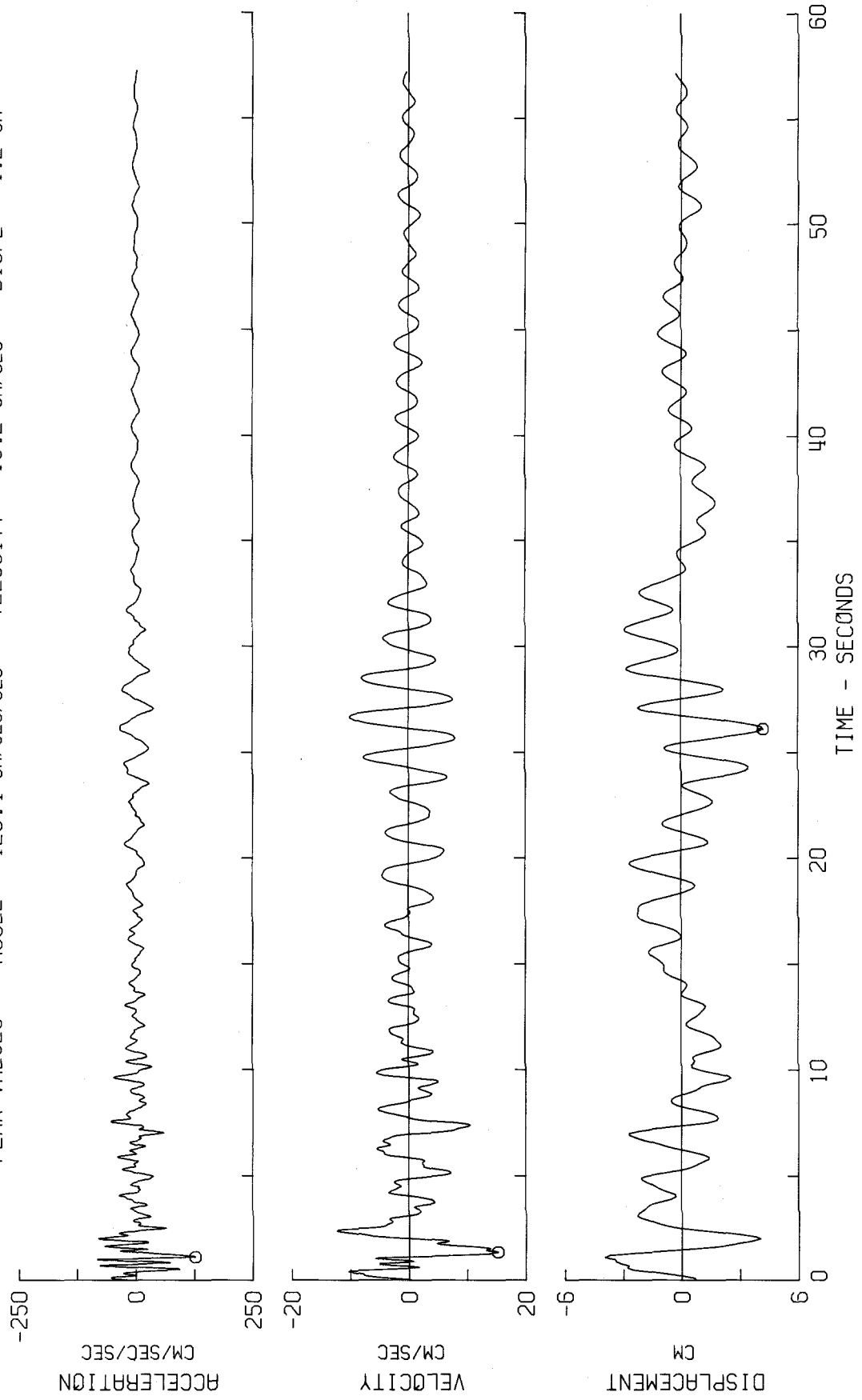


WEST CENTRAL CALIFORNIA EARTHQUAKE SEPT 4, 1955 - 1801 PST  
 IIU306 55.002.0 BANK OF AMERICA BUILDING, 13TH FL., SAN JOSE, CAL. COMP N59E  
 ◊ PEAK VALUES : ACCEL = 65.0 CM/SEC/SEC VELOCITY = 7.1 CM/SEC DISPL = -2.2 CM

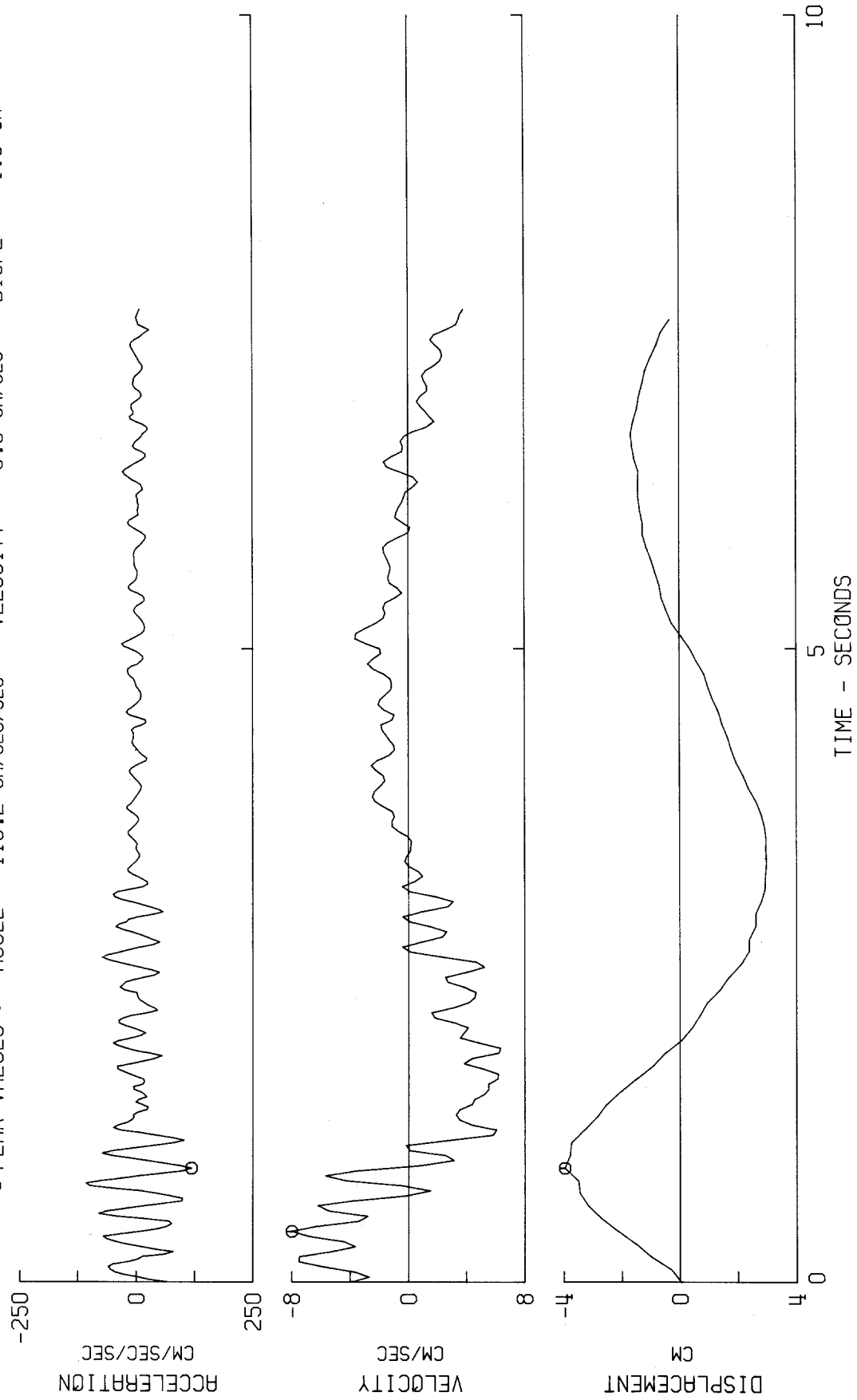




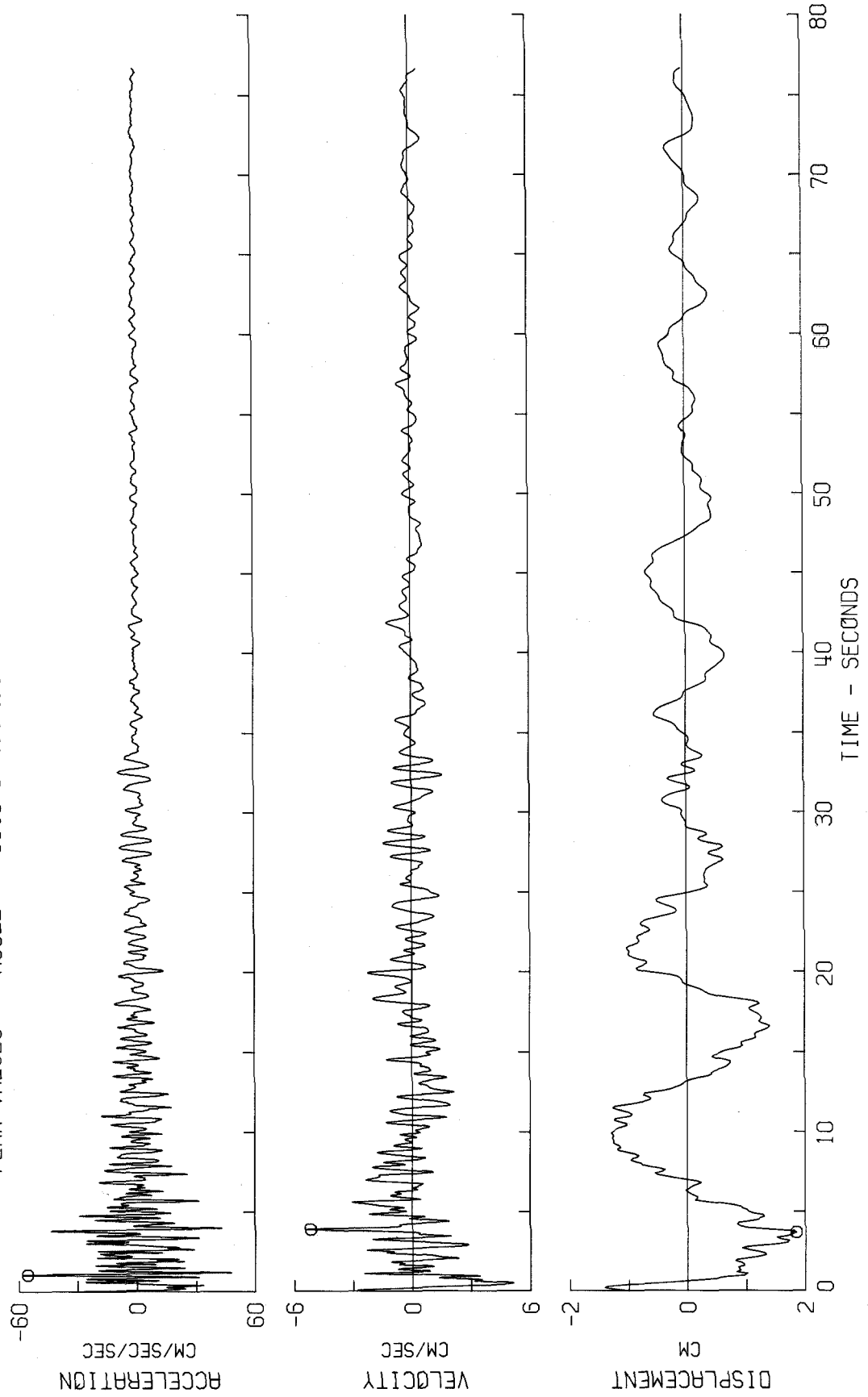
WEST CENTRAL CALIFORNIA EARTHQUAKE SEPT 4, 1955 - 1801 PST  
IIU306 55.002.0 BANK OF AMERICA BUILDING, 13TH FL., SAN JOSE, CAL. COMP N31W  
PEAK VALUES : ACCEL = 126.4 CM/SEC/SEC VELOCITY = 15.2 CM/SEC DISPL = 4.2 CM



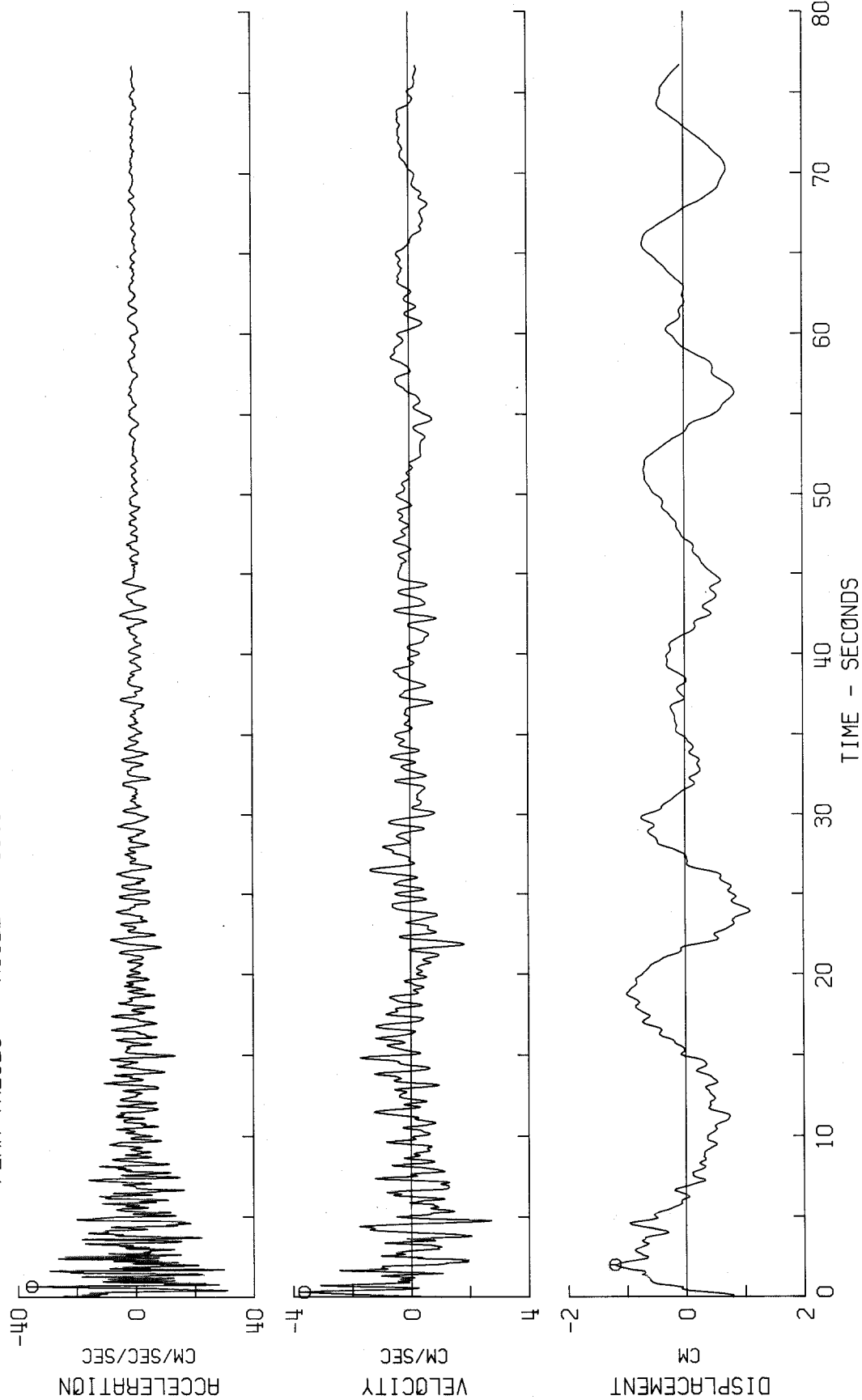
WEST CENTRAL CALIFORNIA EARTHQUAKE SEPT 4, 1955 - 1801 PST  
IIU306 55.002.0 BANK OF AMERICA BUILDING, 13TH FL., SAN JOSE, CAL. COMP UP  
Ø PEAK VALUES : ACCEL = 118.2 CM/SEC/SEC VELOCITY = -8.0 CM/SEC DISPL = -4.0 CM



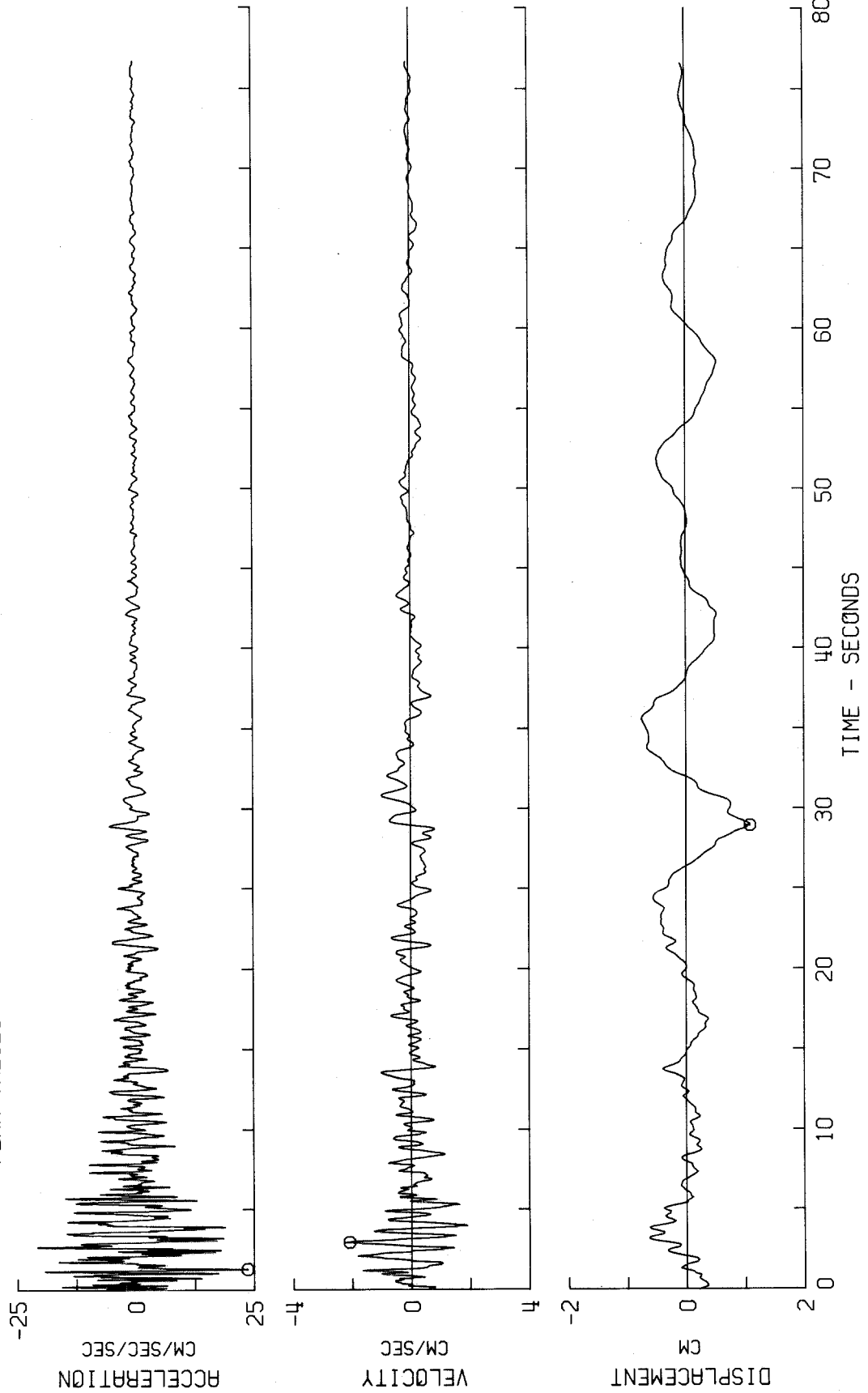
CENTRAL CALIFORNIA EARTHQUAKE JAN 19, 1960 - 1926 PST  
IIU307 60.001.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP N89W  
Ø PEAK VALUES : ACCEL = -55.5 CM/SEC/SEC VELOCITY = -5.2 CM/SEC DISPL = 1.8 CM



CENTRAL CALIFORNIA EARTHQUAKE JAN 19, 1960 - 1926 PST  
 IIU307 60.001.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP S01W  
 PEAK VALUES : ACCEL = -35.3 CM/SEC/SEC VELOCITY = -3.6 CM/SEC DISPL = -1.2 CM



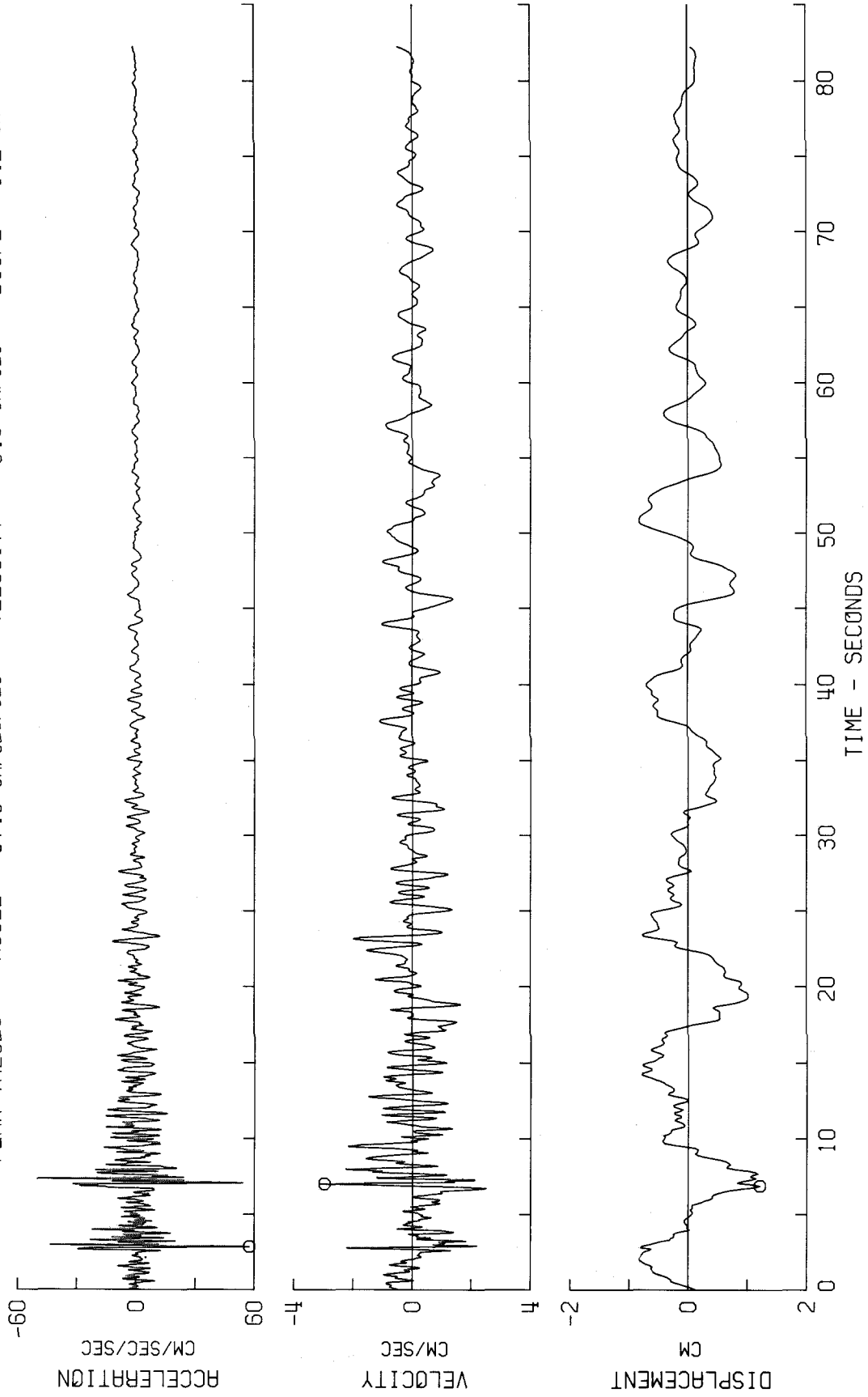
CENTRAL CALIFORNIA EARTHQUAKE JAN 19, 1960 - 1926 PST  
 IIU307 60.001.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP  
 @ PEAK VALUES : ACCEL = 23.6 CM/SEC/SEC VELOCITY = -2.1 CM/SEC DISPL = 1.1 CM



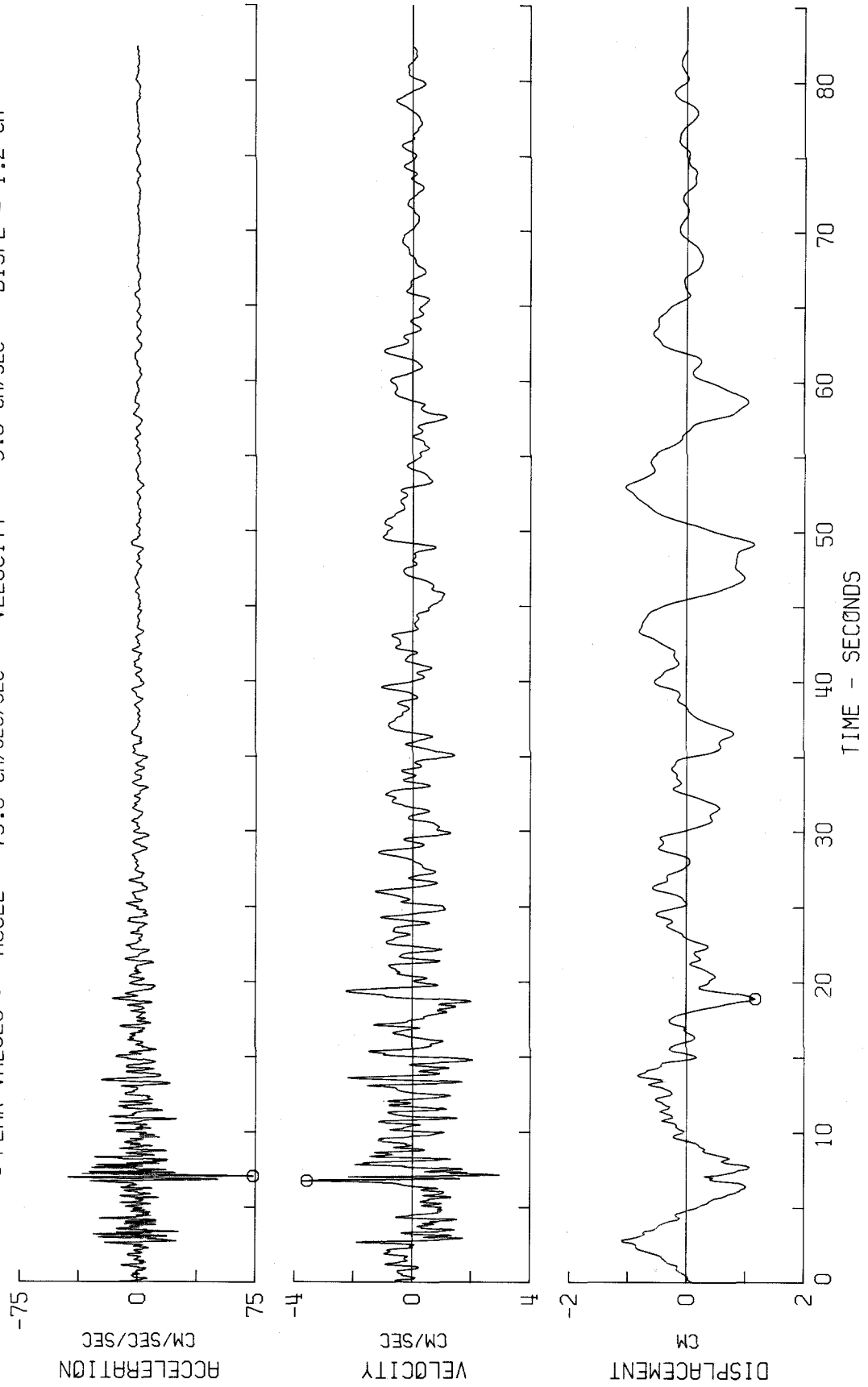
NORTHERN CALIFORNIA EARTHQUAKE JUN 5, 1960 - 1718 PST

IIU308 60.002.0 CITY HALL, FERNDALE, CALIFORNIA COMP N46W

o PEAK VALUES : ACCEL = 57.6 CM/SEC/SEC VELOCITY = -3.0 CM/SEC DISPL = 1.2 CM



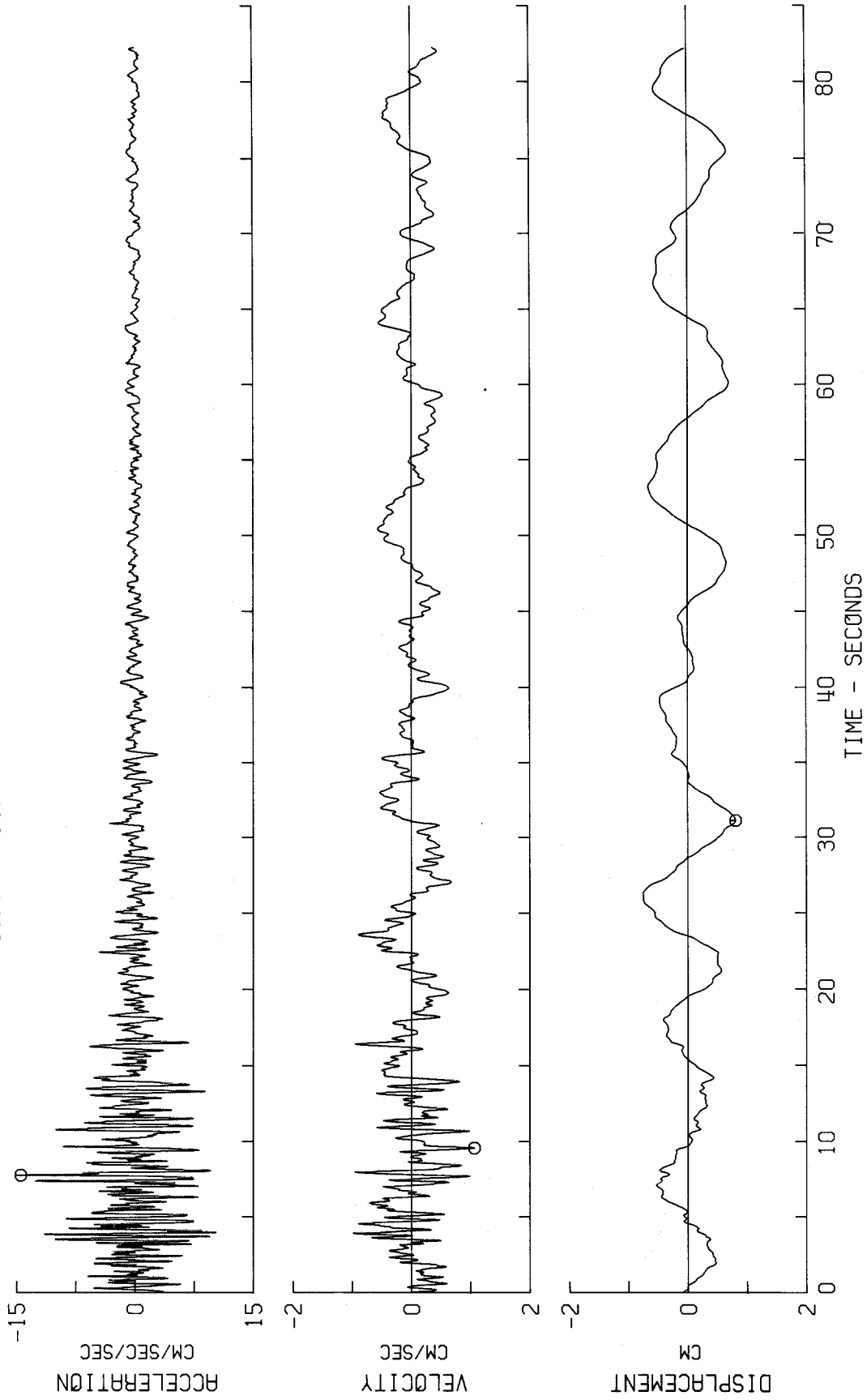
NORTHERN CALIFORNIA EARTHQUAKE JUN 5, 1960 - 1718 PST  
IIU308 60.002.0 CITY HALL, FERNDALE, CALIFORNIA COMP S44W  
⊙ PEAK VALUES : ACCEL = 73.6 CM/SEC/SEC VELOCITY = -3.6 CM/SEC DISPL = 1.2 CM



NORTHERN CALIFORNIA EARTHQUAKE JUN 5, 1960 - 1718 PST

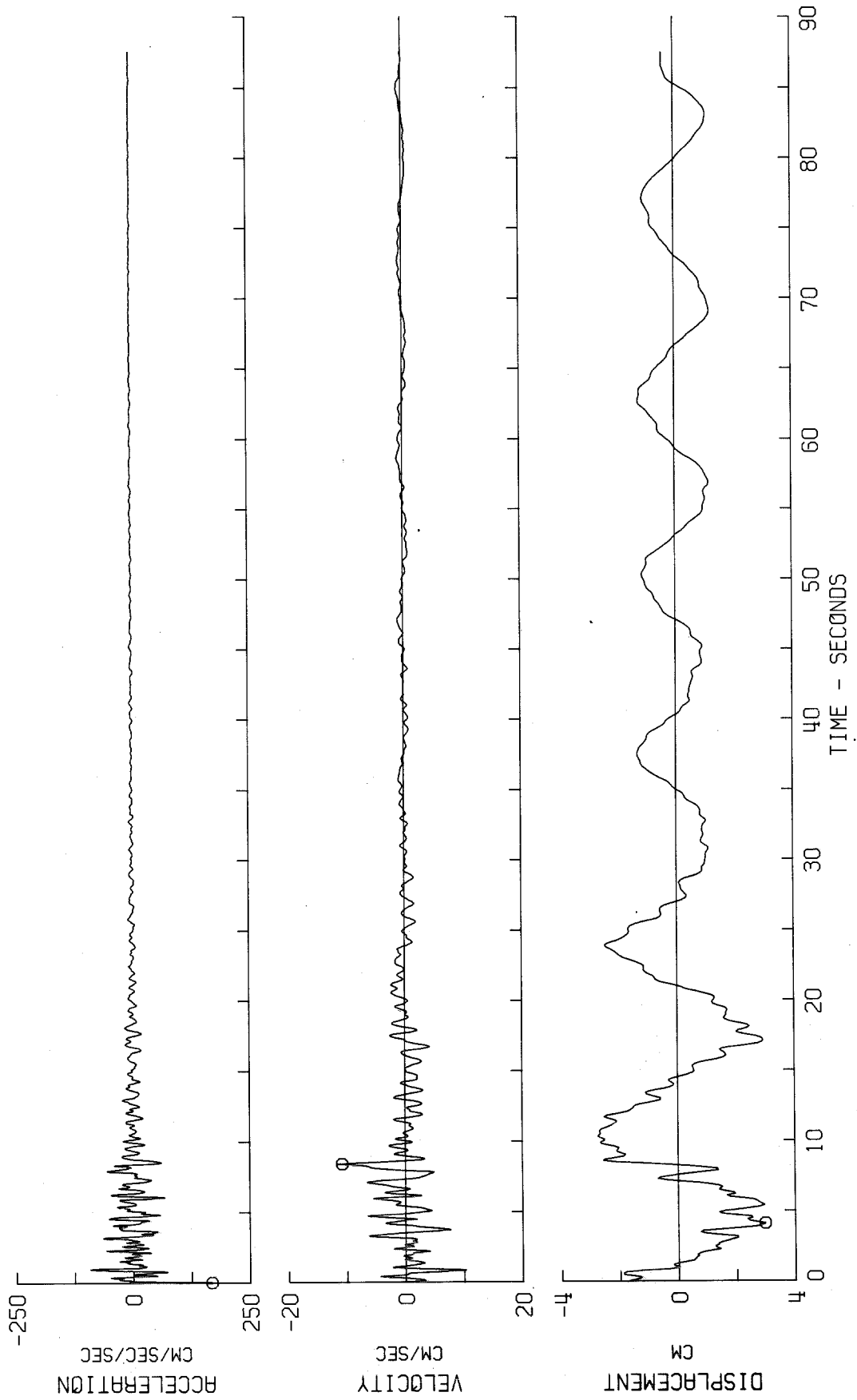
IIU308 60.002.0 CITY HALL, FERNDALE, CALIFORNIA COMP UP

⊙ PEAK VALUES : ACCEL = -14.4 CM/SEC/SEC VELOCITY = 1.1 CM/SEC DISPL = 0.8 CM



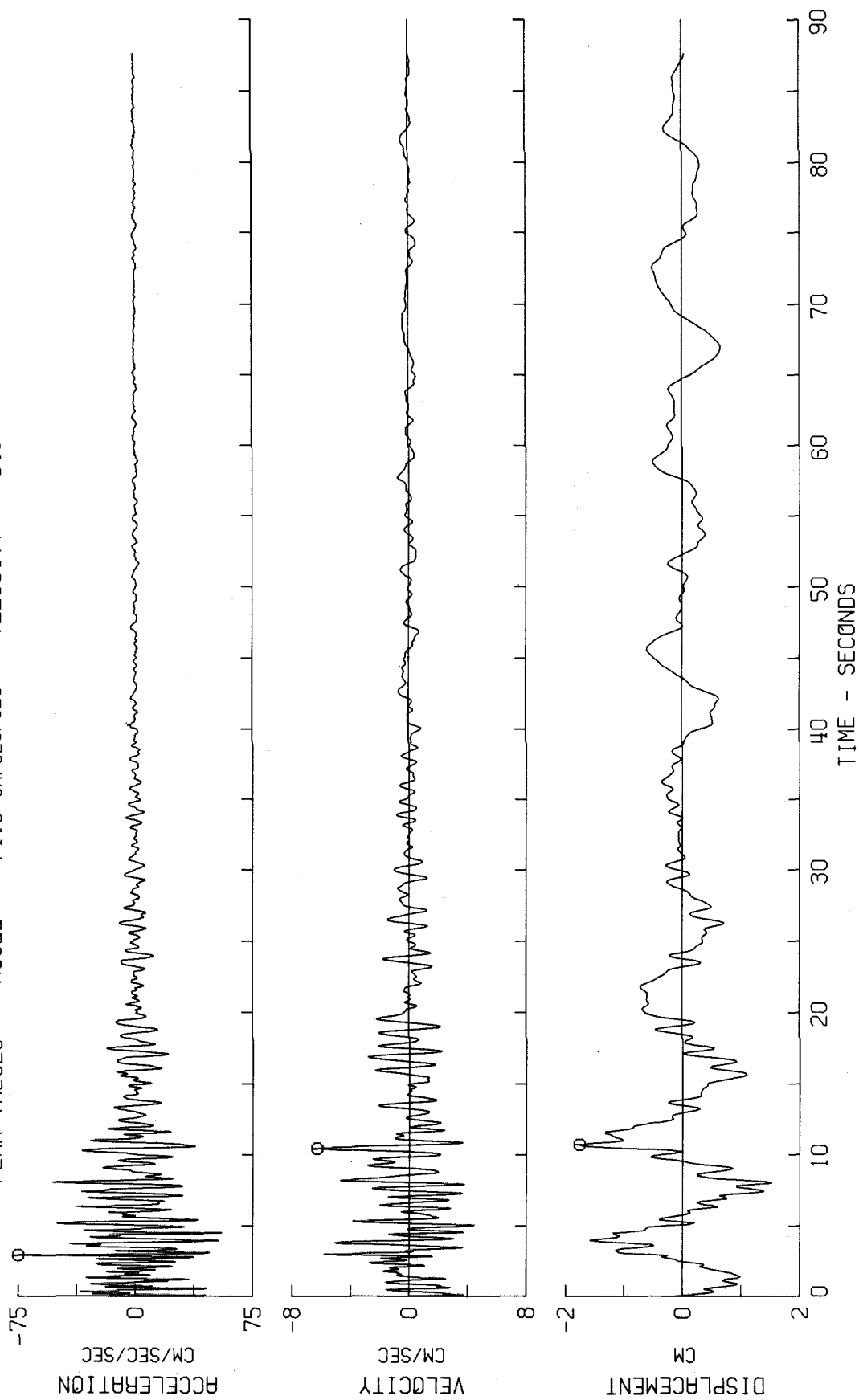


CENTRAL CALIFORNIA EQ. AFTERSHOCK APR 8, 1961 - 2325 PST  
IIU309 61.002.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP N89W  
⊙ PEAK VALUES : ACCEL = 168.6 CM/SEC/SEC VELOCITY = -10.8 CM/SEC DISPL = 3.0 CM

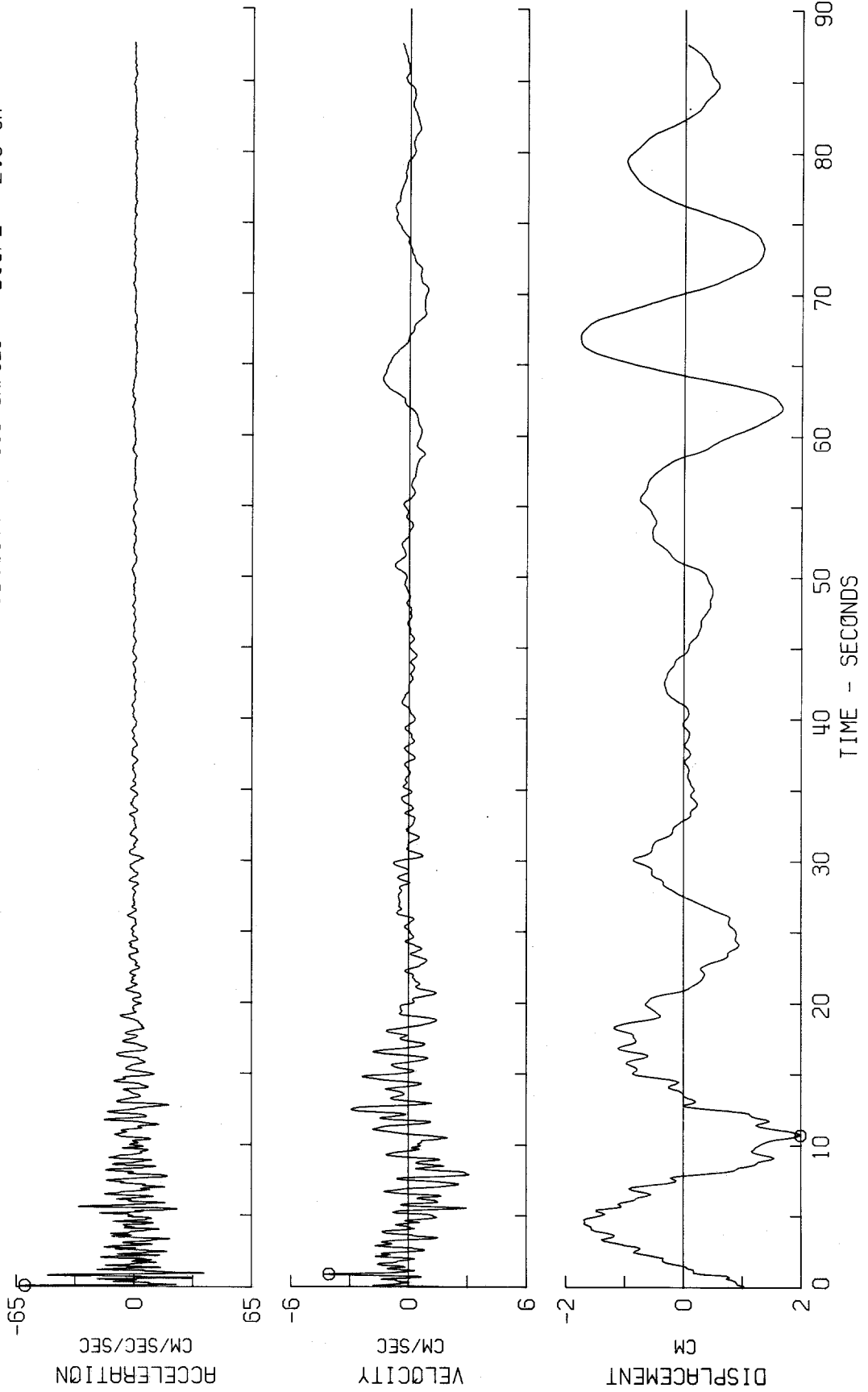


CENTRAL CALIFORNIA EQ. AFTERSHOCK APR 8, 1961 - 2325 PST  
IIU309 61.002.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP S01W

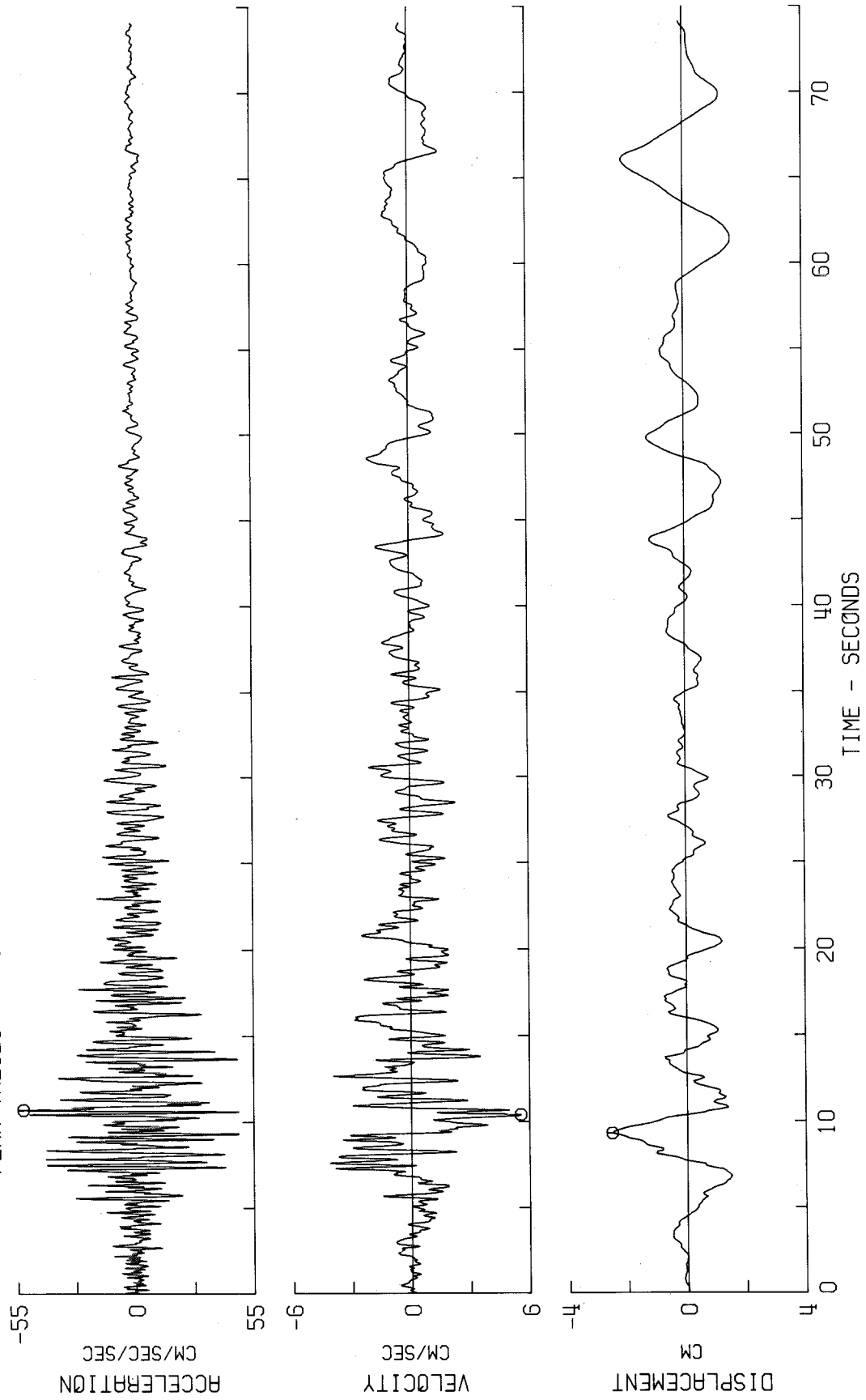
PEAK VALUES : ACCEL = -74.9 CM/SEC/SEC VELOCITY = -6.3 CM/SEC DISPL = -1.8 CM



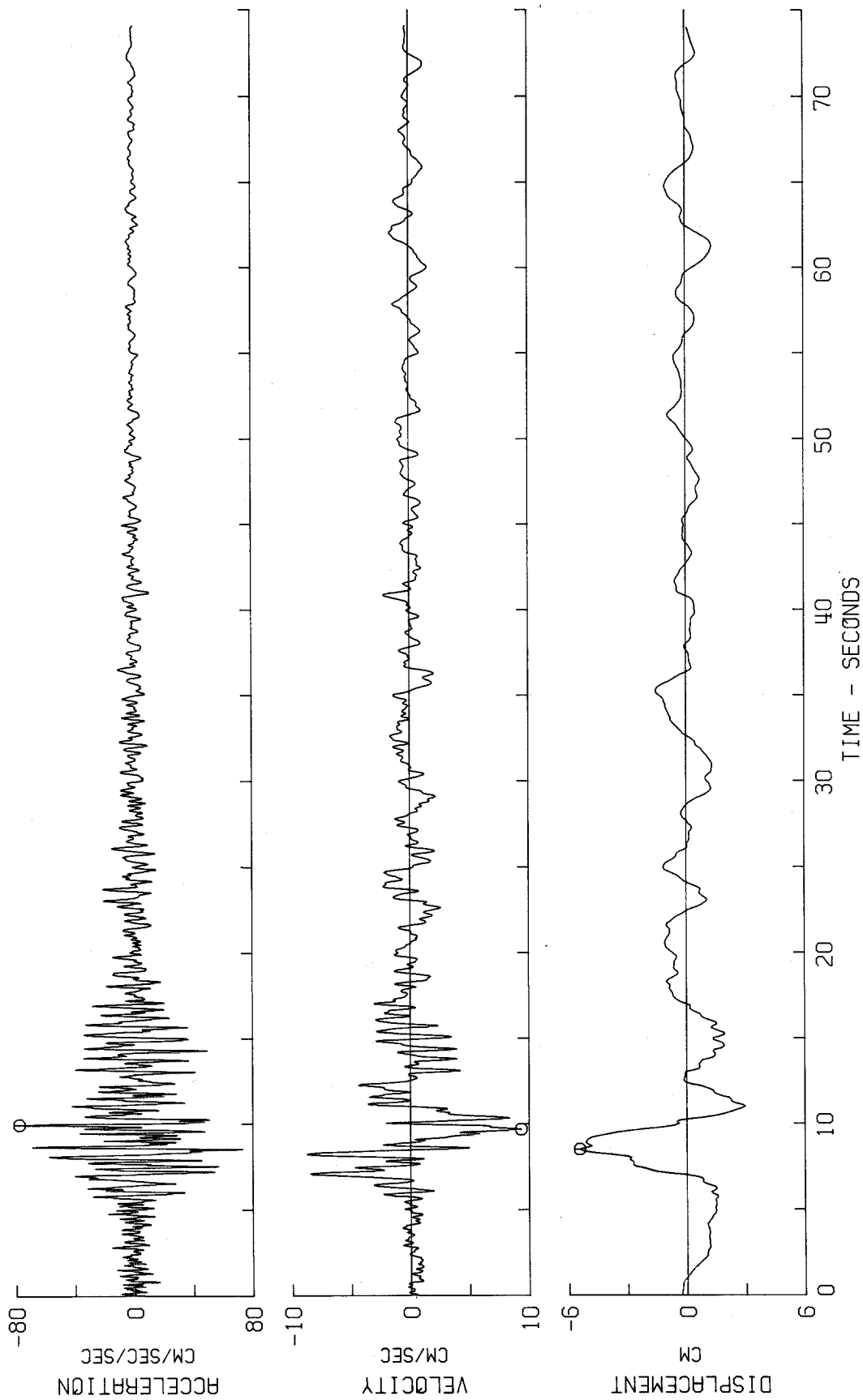
CENTRAL CALIFORNIA EQ. AFTERSHOCK APR 8, 1961 - 2325 PST  
IIU309 61.002.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP  
○ PEAK VALUES : ACCEL = -60.2 CM/SEC/SEC VELOCITY = -4.1 CM/SEC DISPL = 2.0 CM



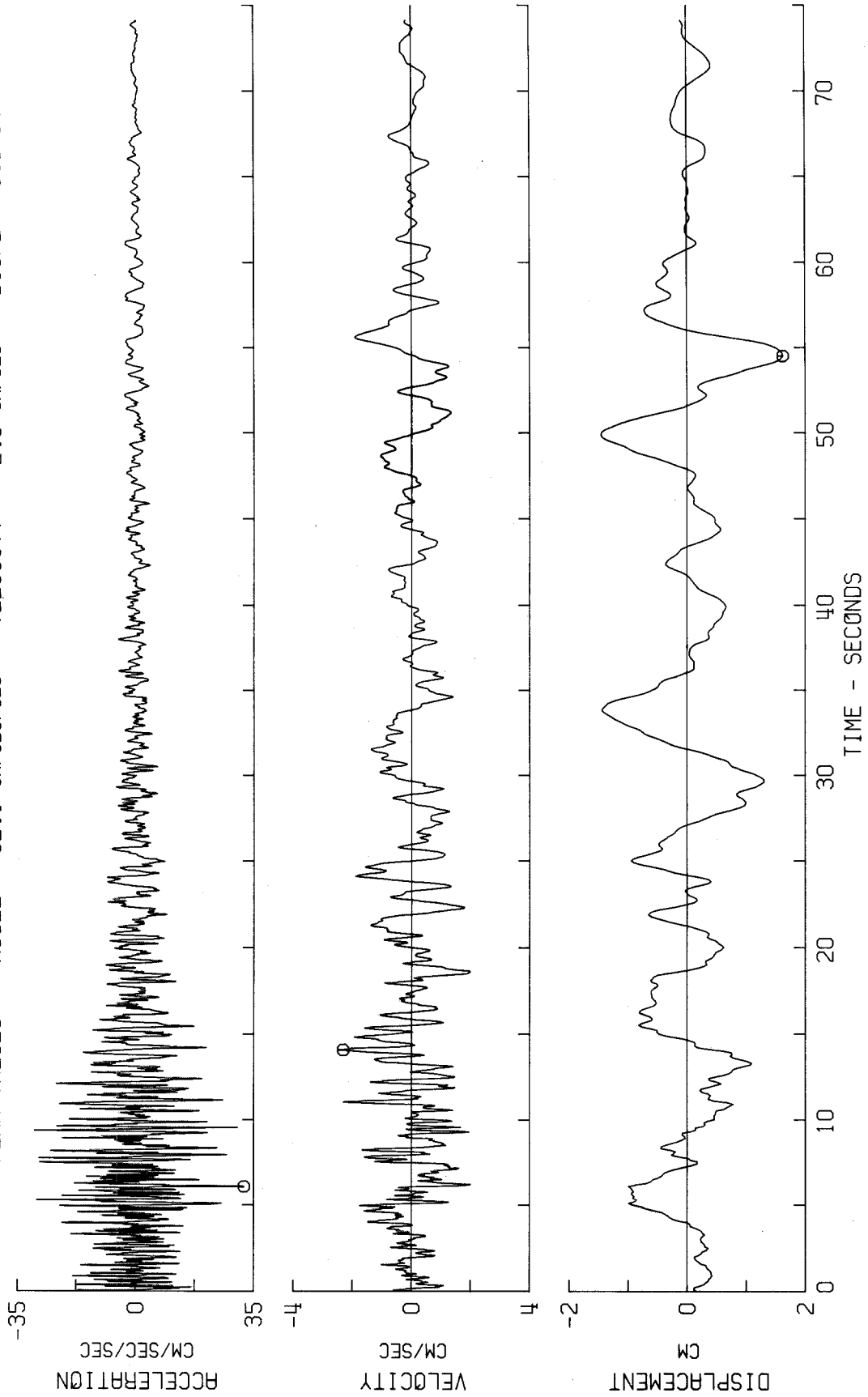
PUGET SOUND, WASH., EARTHQUAKE APR 29, 1965 - 0728 PST  
IIU310 65.003.0 FEDERAL OFFICE BUILDING, SEATTLE, WASHINGTON COMP S32E  
PEAK VALUES : ACCEL = -52.2 CM/SEC/SEC VELOCITY = 5.6 CM/SEC DISPL = -2.5 CM



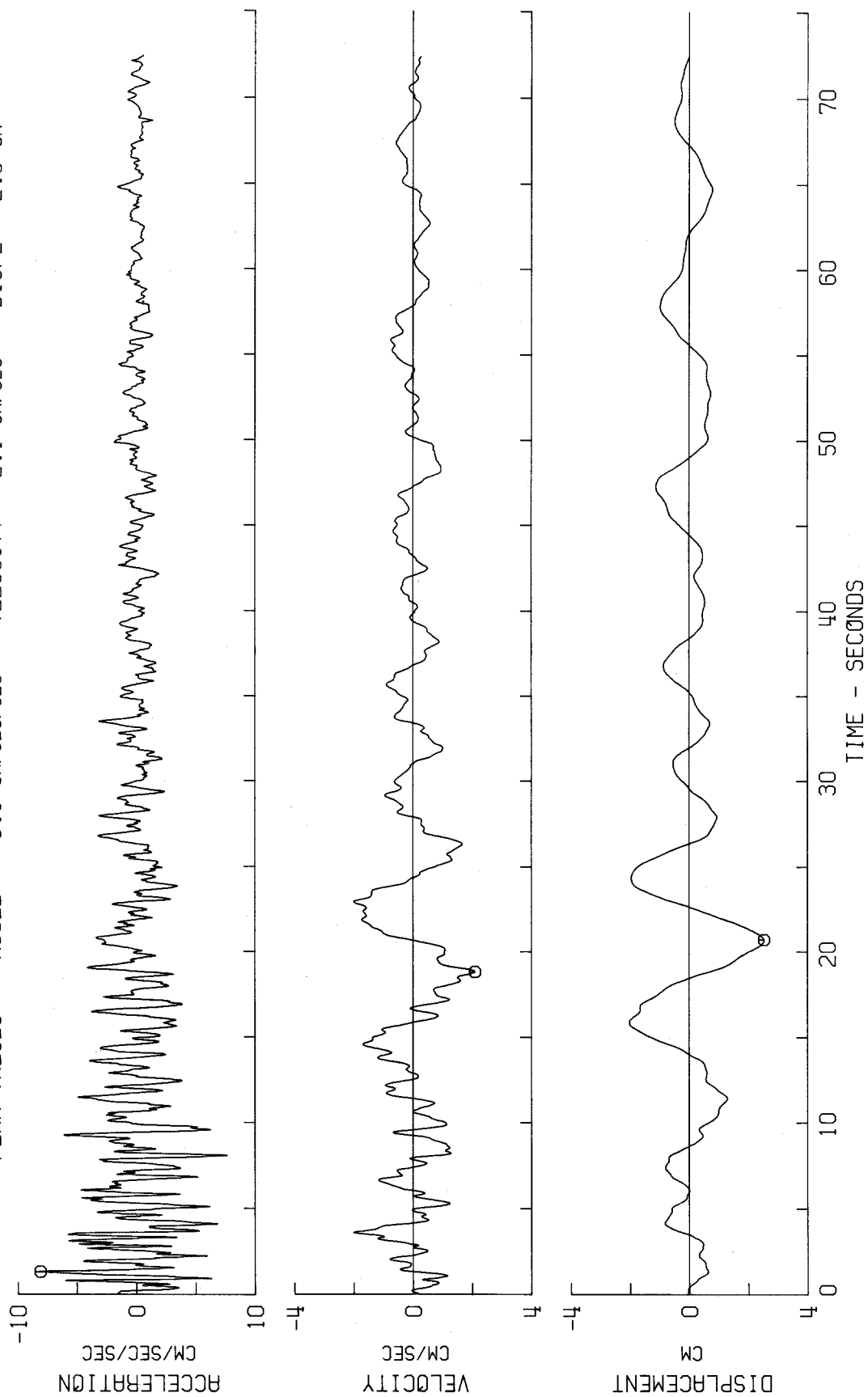
PUGET SOUND, WASH., EARTHQUAKE APR 29, 1965 - 0728 PST  
 IIU310 65.003.0 FEDERAL OFFICE BUILDING, SEATTLE, WASHINGTON COMP S58W  
 ○ PEAK VALUES: ACCEL = -77.6 CM/SEC/SEC VELOCITY = 9.3 CM/SEC DISPL = -5.4 CM



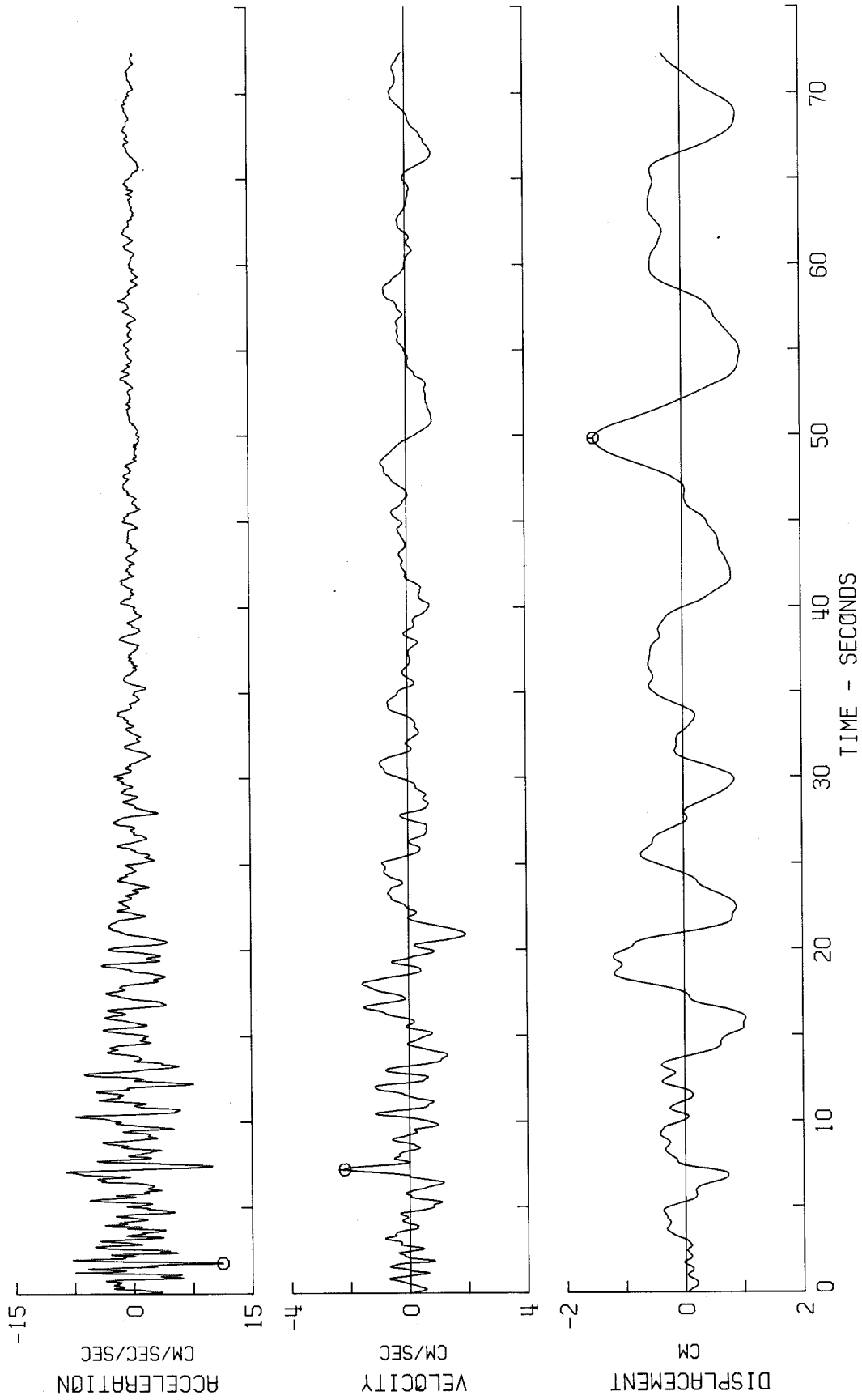
PUGET SOUND, WASH., EARTHQUAKE APR 29, 1965 - 0728 PST  
IIU310 65.003.0 FEDERAL OFFICE BUILDING, SEATTLE, WASHINGTON COMP UP  
PEAK VALUES: ACCEL = 32.1 CM/SEC/SEC VELOCITY = -2.3 CM/SEC DISPL = 1.6 CM



PARKFIELD, CALIFORNIA, EARTHQUAKE JUN 27, 1966 - 2026 PST  
 IIU311 66.006.0 LINCOLN SCHOOL TUNNEL, TAFT, CALIFORNIA COMP N21E  
 PEAK VALUES : ACCEL = -8.1 CM/SEC/SEC VELOCITY = 2.1 CM/SEC DISPL = 2.5 CM

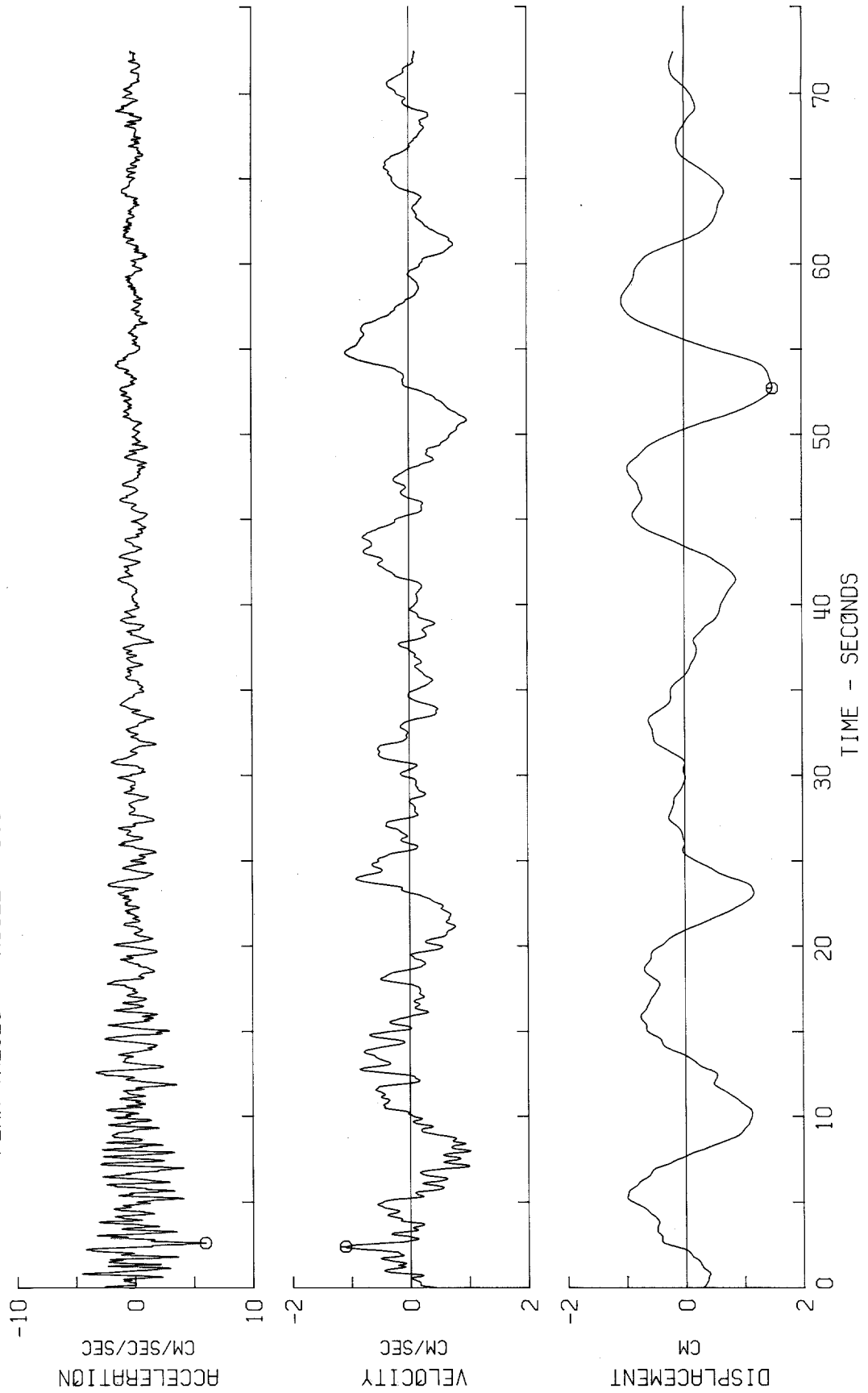


PARKFIELD, CALIFORNIA, EARTHQUAKE JUN 27, 1966 - 2026 PST  
IIU311 66.006.0 LINCOLN SCHOOL TUNNEL, TAFT, CALIFORNIA COMP S69E  
PEAK VALUES: ACCEL = 11.2 CM/SEC/SEC VELOCITY = -2.2 CM/SEC DISPL = -1.5 CM





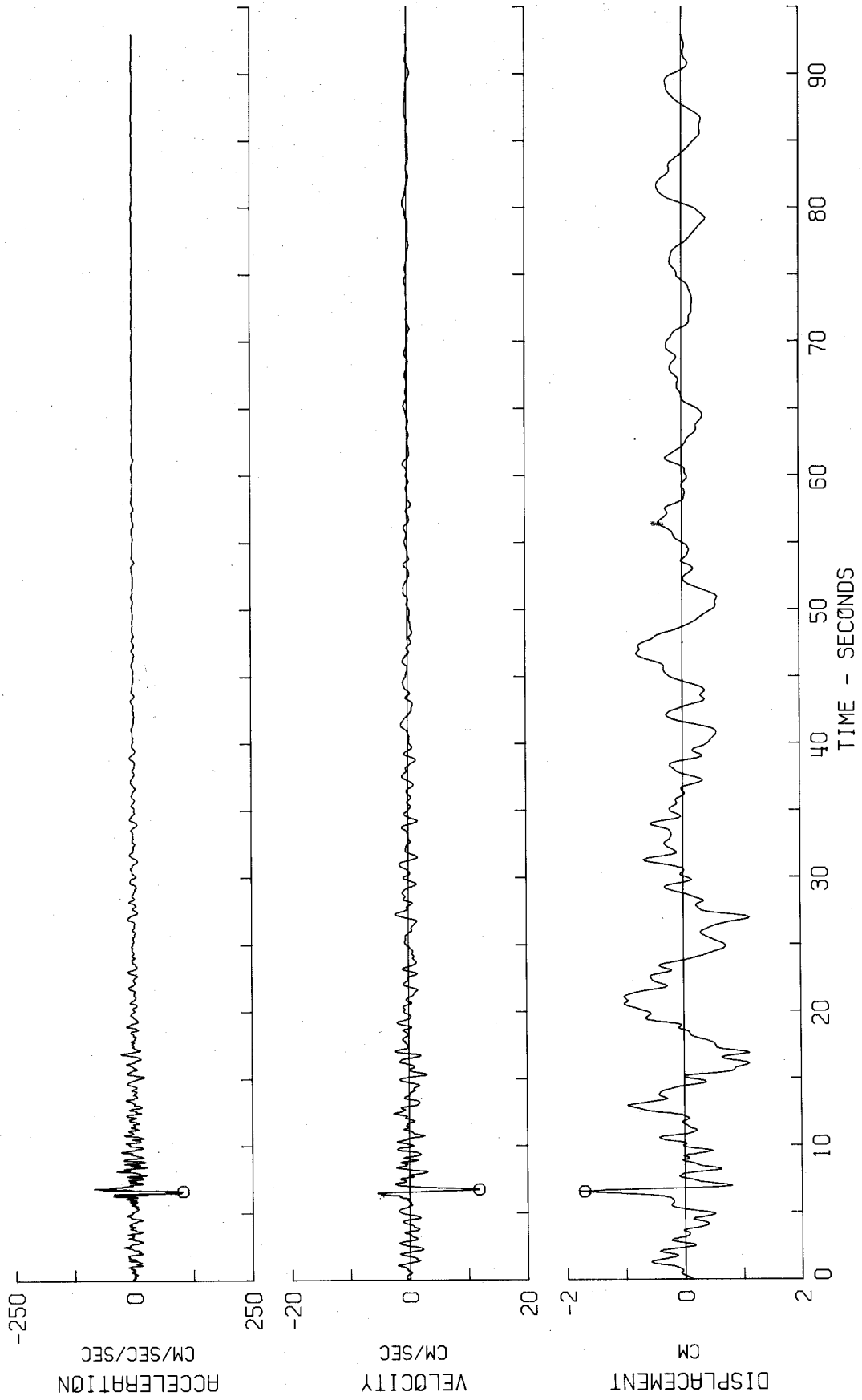
PARKFIELD, CALIFORNIA, EARTHQUAKE JUN 27, 1966 - 2026 PST  
IIU311 66.006.0 LINCOLN SCHOOL TUNNEL, TAFT, CALIFORNIA COMP UP  
Ø PEAK VALUES : ACCEL = 6.0 CM/SEC/SEC VELOCITY = -1.1 CM/SEC DISPL = 1.5 CM



FERNDAL, CALIFORNIA, EARTHQUAKE DEC 10, 1967 - 0406 PST

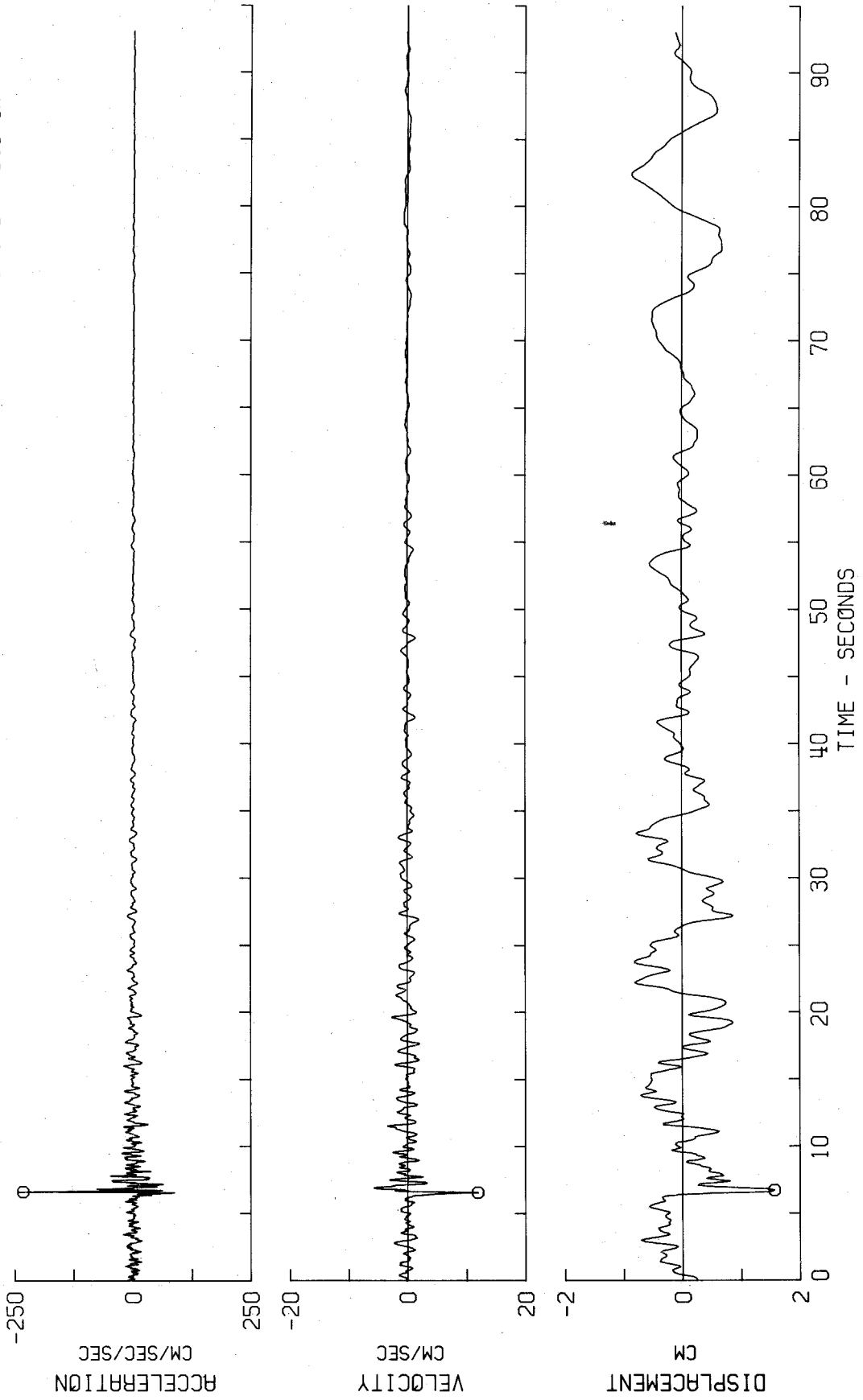
IIU312 67.001.0 CITY HALL, FERNDAL, CALIFORNIA COMP N46W

PEAK VALUES : ACCEL = 103.1 CM/SEC/SEC VELOCITY = 11.8 CM/SEC DISPL = -1.7 CM



FERNDAL, CALIFORNIA, EARTHQUAKE DEC 10, 1967 - 0406 PST  
IIU312 67.001.0 CITY HALL, FERNDAL, CALIFORNIA COMP S44W

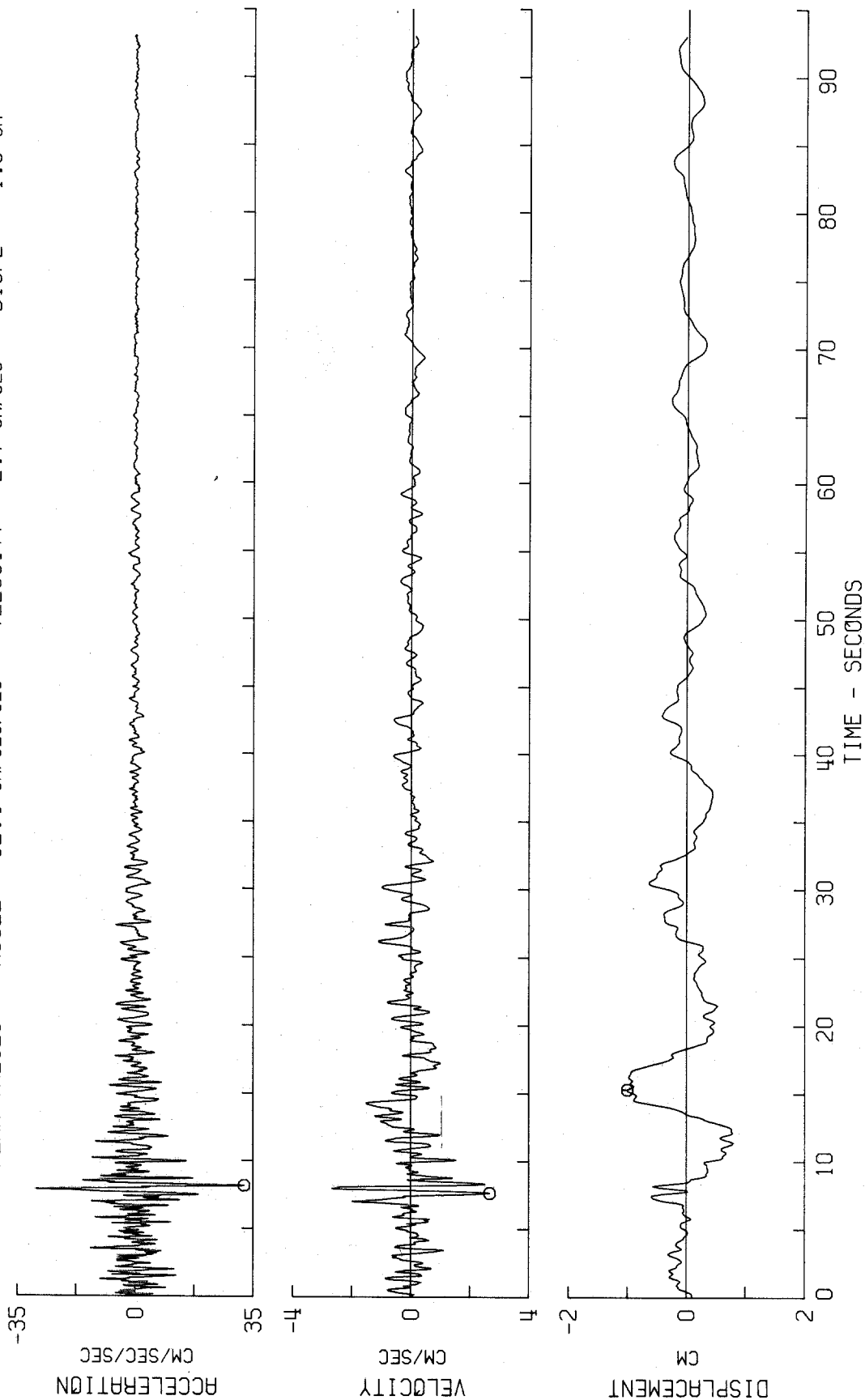
○ PEAK VALUES : ACCEL = -232.1 CM/SEC/SEC VELOCITY = 11.9 CM/SEC DISPL = 1.6 CM



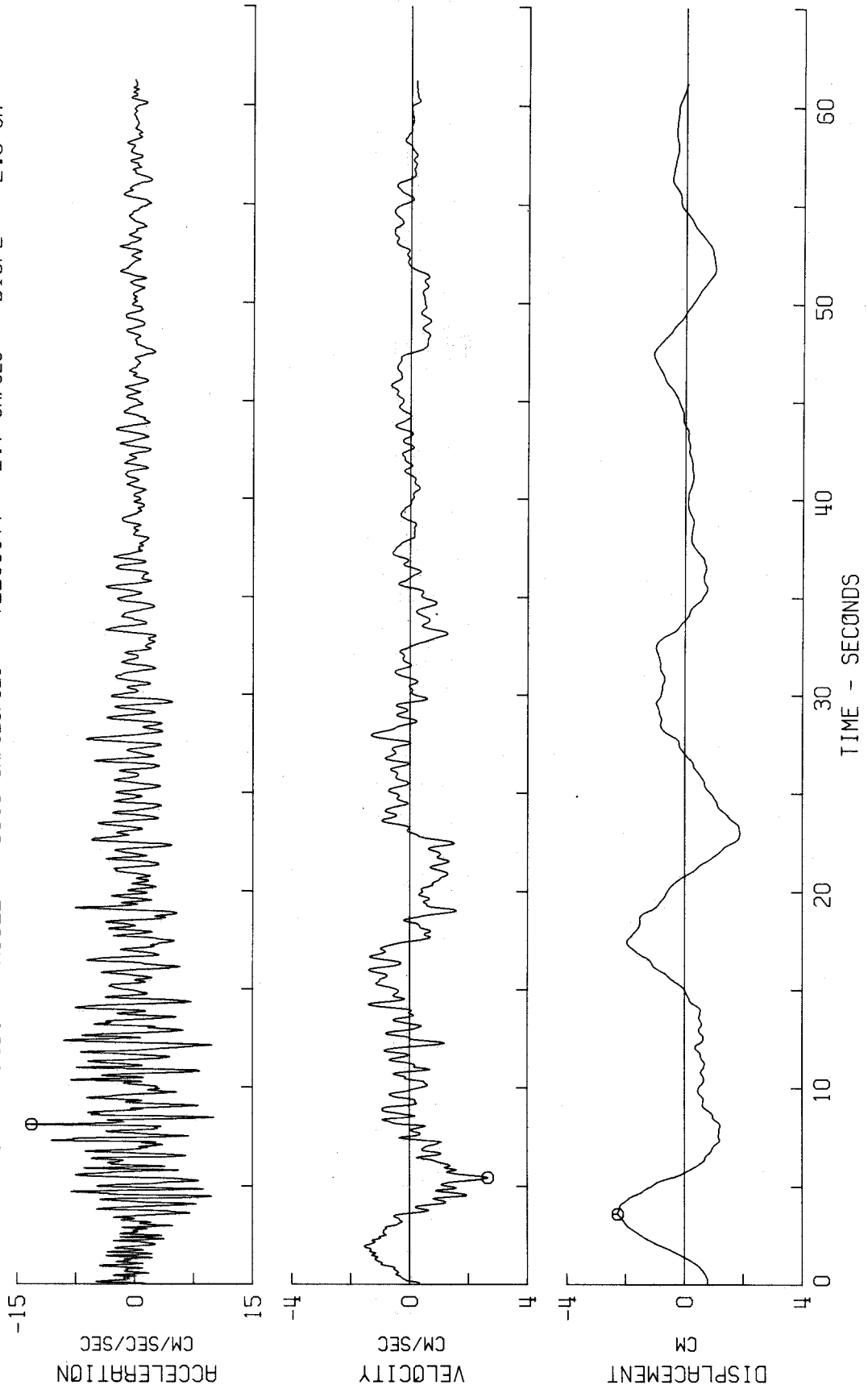
FERNDAL, CALIFORNIA, EARTHQUAKE DEC 10, 1967 - 0406 PST

IIU312 67.001.0 CITY HALL, FERNDAL, CALIFORNIA COMP UP

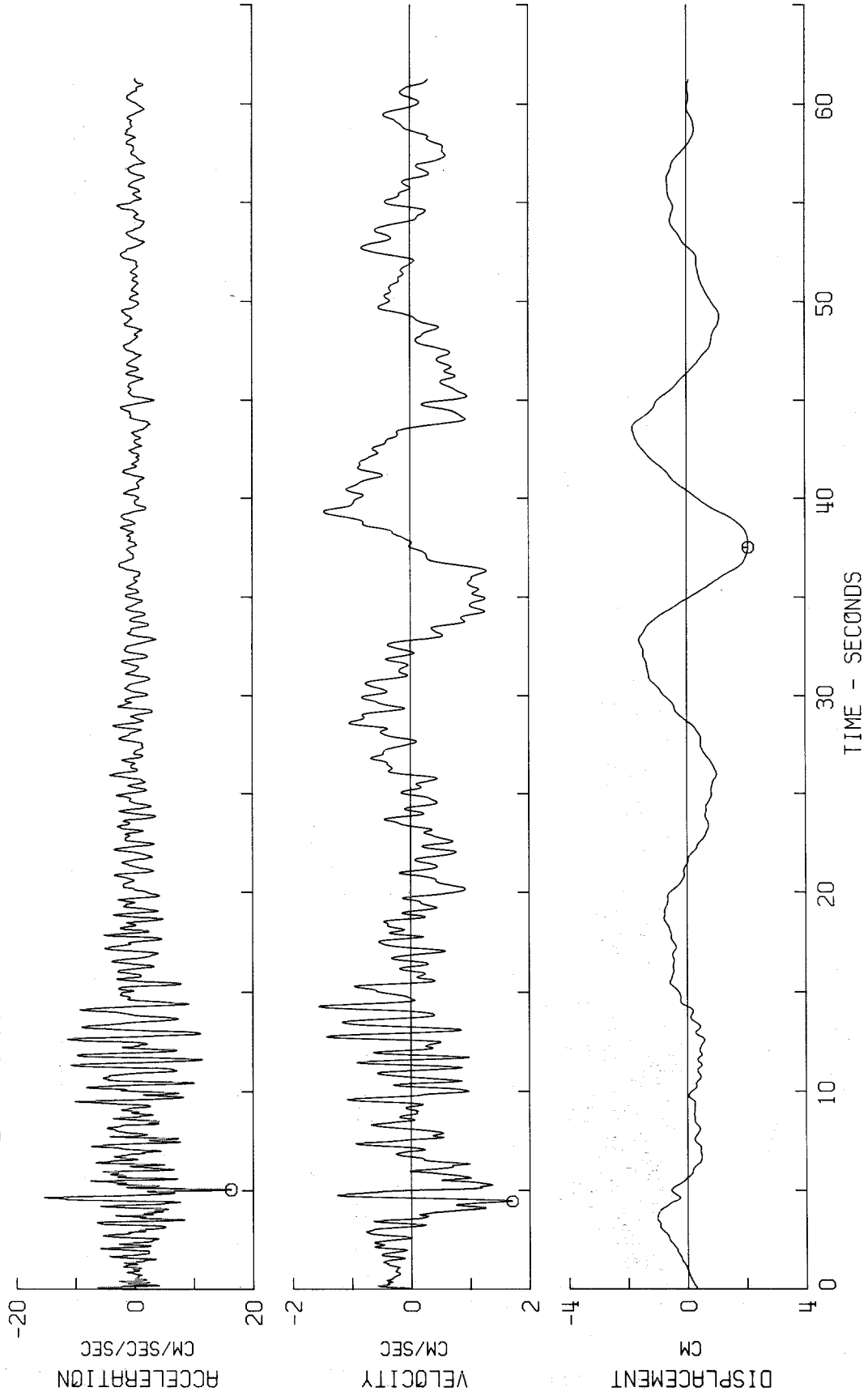
PEAK VALUES : ACCEL = 32.4 CM/SEC/SEC VELOCITY = 2.7 CM/SEC DISPL = -1.0 CM



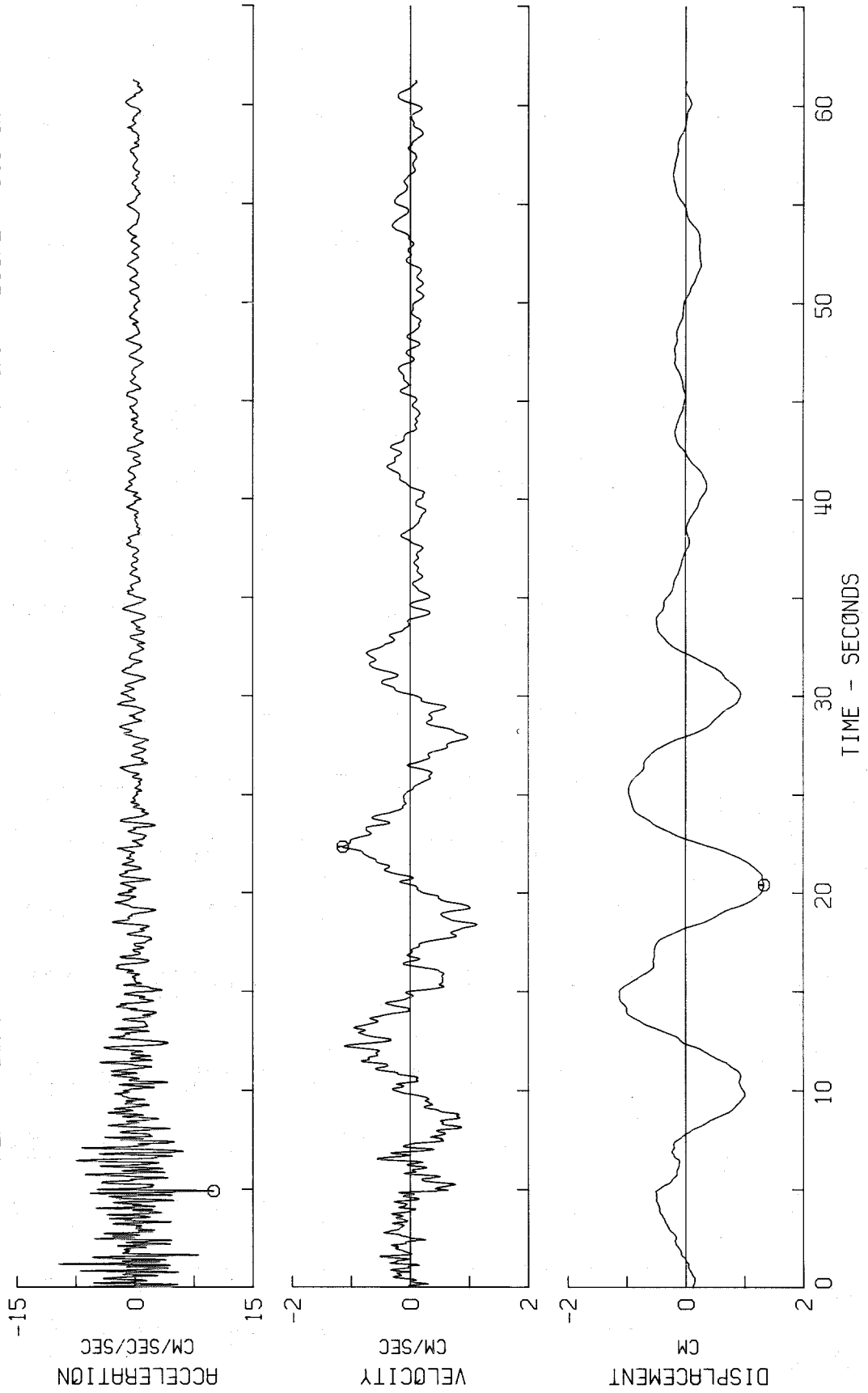
NORTHERN CALIFORNIA EARTHQUAKE DEC 18, 1967 - 0925 PST  
IIU313 67.006.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP N89W  
PEAK VALUES : ACCEL = -13.1 CM/SEC/SEC VELOCITY = 2.7 CM/SEC DISPL = -2.3 CM



NORTHERN CALIFORNIA EARTHQUAKE DEC 18, 1967 - 0925 PST  
IIU313 67.006.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP S01W  
PEAK VALUES : ACCEL = 16.3 CM/SEC/SEC VELOCITY = 1.7 CM/SEC DISPL = 2.1 CM



NORTHERN CALIFORNIA EARTHQUAKE DEC 18, 1967 - 0925 PST  
IIU313 67.006.0 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP  
Ø PEAK VALUES : ACCEL = 10.0 CM/SEC/SEC VELOCITY = -1.1 CM/SEC DISPL = 1.3 CM



IIU294 34.001.0 EUREKA EARTHQUAKE JULY 6, 1934 - 1449 PST EPICENTER - 41 42 00N, 124 36 0  
 STATION NO. 102 CITY HALL, FERNDALE, CALIFORNIA COMP N45W 40 34 12N, 124 15  
 INSTR PERIOD = 0.099 SEC DAMPING = 0.494 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 14.5 CM/SEC/SEC AT 15.38 SEC VELO = 1.4 CM/SEC AT 11.82 SEC DISP = -1.1 CM AT 21.24 SEC

2972 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

INITIAL VELO = 0.00808 CM/SEC										INITIAL DISP = -0.10256 CM									
INITIAL VELO = 0.00808 CM/SEC										INITIAL DISP = -0.10256 CM									
9	15	14	11	9	3	0	-2	-2	-2	1	2	2	2	2	5	7	7	4	2
-6	-7	-6	1	8	5	0	-3	-5	-9	-7	-3	0	0	3	4	4	-1	-2	-5
-8	-1	1	6	8	9	6	6	7	10	10	6	2	1	1	2	4	7	5	1
1	3	4	3	1	-2	-7	-8	-11	-14	-13	-11	-6	-3	-3	3	8	8	3	-2
-13	-12	-10	-8	-4	1	5	9	13	16	17	16	13	10	8	8	5	1	-4	-8
-13	-15	-17	-19	-20	-17	-10	-2	4	11	17	17	15	11	4	4	-6	-10	-10	-11
-8	-8	-8	-8	-7	-5	0	5	8	10	2	-4	-4	-3	0	0	4	9	14	10
4	-2	-4	-7	-11	-17	-14	-11	-6	0	1	0	1	3	4	4	5	7	8	12
4	-3	-10	-10	-12	-12	-10	-7	1	6	11	14	14	9	7	7	1	-2	-3	0
6	9	11	11	8	4	0	-3	-3	-7	-12	-13	-12	-10	-9	-9	-12	-14	-14	-11
-7	-9	-11	-12	-13	-10	-3	1	7	11	15	17	20	20	19	15	11	5	-1	-3
-1	2	4	1	-1	-6	-10	-13	-16	-18	-18	-17	-11	-8	-6	-6	0	3	3	4
1	-4	-3	-1	3	8	5	4	1	-1	-3	-2	-9	-13	-6	-5	0	2	3	-2
-5	-8	-9	-8	-6	-4	0	2	5	3	1	3	7	9	4	-1	-4	-6	-6	-5
-3	-1	1	4	4	-1	-4	-10	-14	-16	-10	-6	2	6	6	3	-4	-11	-13	-17
-4	-1	1	6	8	12	14	18	20	17	14	9	3	-1	-2	-2	-4	-11	-13	-17
-26	-23	-15	-12	-7	-2	2	5	8	10	11	12	14	12	8	4	4	1	0	1
-5	-3	-1	2	1	0	-4	-8	-8	-4	-1	3	5	4	3	3	1	0	-1	-2
-5	-10	-15	-22	-21	-17	-12	-5	-13	-11	1	1	1	2	5	5	9	12	16	13
11	9	4	1	2	-1	-5	-10	-13	-11	-9	-6	-7	-8	-6	-4	-4	-3	-1	4
2	4	7	4	7	9	11	12	15	15	-4	-15	-17	-13	-10	-7	-7	-9	-5	5
9	6	5	9	12	12	12	12	12	15	16	16	15	11	1	1	-9	-11	-11	-8
-4	-2	-5	-7	-6	-1	3	5	-8	-12	-15	-9	-1	5	10	14	19	22	31	38
43	32	22	7	7	14	20	20	14	8	1	-3	-4	-8	-11	-11	-15	-18	-23	-18
-3	5	12	-5	-7	-14	-16	-11	-7	0	12	25	39	56	44	26	1	-15	-15	-4
7	13	8	-17	-22	-33	-23	-8	1	-2	-9	-13	-19	-20	-23	-25	-28	-27	-28	-8
14	36	51	16	-9	-16	-8	23	70	89	97	52	13	-42	-66	-88	-92	-87	-76	-72
-56	-51	-19	2	90	121	117	83	63	24	8	8	8	13	15	-15	-73	-111	-125	-132
-71	-15	37	63	80	66	63	54	38	13	-6	-59	-62	-42	10	33	51	36	37	27
20	-4	-21	-36	12	60	105	142	138	95	55	-21	-71	-60	-45	-16	-5	-21	-86	-112
-126	-134	-117	-97	-77	-44	-13	23	48	89	120	122	102	55	32	17	7	0	-7	-12
-25	-56	-71	-80	-56	32	79	125	111	39	-12	2	12	23	32	33	30	26	23	6
-48	-98	-122	-105	-76	-38	-3	50	101	142	76	26	-5	-27	-39	-62	-103	-113	-69	-42
14	45	69	79	43	31	7	-16	-27	-26	-8	15	19	6	3	4	8	11	16	21
14	7	1	0	-15	-11	13	34	18	-8	-31	-42	-56	-48	-17	-7	18	-16	-62	-65
-42	-15	-2	-11	-25	-24	-26	-21	-16	-14	-6	-8	23	37	22	14	29	47	69	54
19	-35	-34	-6	37	58	69	34	-39	-49	-69	-72	-71	-64	-58	-56	-50	-33	13	35
51	56	74	82	104	115	139	95	19	-77	-104	-123	-70	-50	-20	-36	-44	-48	-61	-43
-10	8	26	37	16	22	60	85	123	145	141	108	50	-34	-82	-102	-92	-70	-55	-19
-6	1	-31	-36	-46	-43	-22	6	32	58	36	3	-20	-28	-31	-37	-41	-44	-46	-44



-43	-23	18	50	91	105	119	96	72	49	30	4	-18	-50	-85	-87	-65	-32	-28	-10
-2	3	-2	-13	-32	33	-68	-70	-69	-53	-4	31	55	77	47	12	-5	-43	-53	-64
-57	-46	-37	-25	5	33	53	58	32	10	6	1	5	14	22	14	8	0	-9	-18
-20	-18	-7	1	7	14	20	25	23	18	13	3	2	-2	-7	-10	-7	-6	6	16
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48	54	57	62	68	72	73	72	69	62	55	39	25	20	13	10	-16	18	29	38
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30	14	-2	-20	-39	-54	-61	-66	-59	-43	-32	-16	-10	3	10	13	11	8	5	1
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86	84	76	68	58	49	39	32	30	28	25	21	19	15	13	8	7	-16	-44	-50
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IIU294 34.001.0 EUREKA EARTHQUAKE JULY 6, 1934 - 1449 PST  
 STATION NO. 102 CITY HALL, FERDALE, CALIFORNIA  
 INSTR PERIOD = 0.099 SEC DAMPING = 0.528 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER - 41 42 00N, 124 36 0  
 COMP S45W 40 34 12N, 124 15

PEAK VALS ACLN = -14.5 CM/SEC/SEC AT 12.78 SEC VELO = 1.1 CM/SEC AT 27.04 SEC DISP = -1.3 CM AT 34.14 SEC

INITIAL VELO = -0.06223 CM/SEC INITIAL DISP = -0.11559 CM  
 2972 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

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-8	-12	-15	-17	-21	-22	-23	-23	-21	-20	-17	-13	-8	-9	-11	-8	-8	-7	-4	-2
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5	3	2	2	1	1	1	1	0	-2	-4	-6	-7	-10	-13	-16	-18	-18	-18	-18
-18	-17	-15	-13	-10	-8	-6	-4	0	0	-4	-3	-4	-3	-3	-2	0	1	2	4
4	7	9	10	12	13	14	14	13	12	10	9	7	6	3	1	4	6	7	9
10	12	13	15	16	16	15	17	16	15	15	15	15	15	14	13	12	11	9	8
5	3	0	0	0	0	-1	-1	-1	-1	2	-2	-2	-1	0	2	5	2	1	1
-2	-1	-1	-1	-2	-2	-3	-2	-1	-1	2	6	7	8	8	8	8	9	10	11
11	11	12	12	11	9	8	8	6	4	2	-1	-2	-2	-1	-1	0	0	2	3
5	5	4	4	4	3	3	2	0	-2	-3	-4	-4	-4	-5	-5	-6	-9	-11	-12
-14	-15	-15	-16	-16	-16	-15	-12	-9	-6	-3	0	3	8	10	11	12	13	13	13
14	14	12	11	9	6	2	-1	-4	-5	-9	-9	-9	-8	-7	-5	-5	-5	-5	-4
-4	-2	1	0	0	-17	-19	-21	-23	-25	-25	-26	-27	-26	-25	-25	-22	-19	-16	-3
-11	-7	-3	1	5	8	10	12	12	11	8	5	7	7	5	4	4	6	7	7
6	5	4	4	4	5	4	5	4	4	7	6	5	6	8	9	6	5	6	6
-5	-3	-1	2	2	6	6	5	4	1	2	3	3	4	5	5	6	6	6	7
6	5	3	2	2	1	0	0	0	-11	-10	-8	-5	-3	-2	-1	0	-1	-1	-1
4	1	-1	-5	-7	-8	-10	-12	-12	-11	-2	-3	5	7	7	7	5	2	2	1
-3	-5	-1	-6	-8	-6	-4	-2	0	0	4	7	9	9	10	11	12	14	13	12
0	-2	-6	-6	-8	-6	-4	-2	0	1	-6	-4	-3	-2	-2	-1	0	1	2	12
11	9	8	7	6	4	2	0	-3	-5	-6	-4	-3	-2	-2	-1	0	1	2	4
7	8	10	12	13	13	12	11	10	-9	-9	9	7	6	5	5	3	2	2	4
1	1	1	1	0	-1	-2	-4	-5	-6	-7	-7	-5	-5	-6	-7	-8	-10	-10	1
-10	-12	-14	-15	-15	-11	-10	-8	-7	-5	-5	-4	-2	-2	-3	-4	5	5	4	8
-11	-10	-11	-9	-8	-6	-6	-4	-1	-2	-4	-5	-6	-6	-7	-8	-8	-8	-7	-9
8	9	9	7	6	4	3	2	2	1	0	0	-1	-2	-3	-4	-6	-4	-2	-2
-2	0	1	1	1	1	2	2	2	5	7	9	10	9	7	4	2	1	-1	0
2	-1	-2	-2	-2	-1	-1	0	0	-1	-1	-1	0	2	2	5	7	6	7	6
4	4	6	4	3	2	2	6	5	3	4	7	8	8	9	8	7	4	3	2
1	0	0	2	2	3	3	6	7	6	5	3	2	1	-1	-2	-3	-5	-5	-5
-6	-6	-6	-6	-4	-2	-1	2	4	6	7	6	6	7	8	8	6	7	7	8
9	7	16	15	13	12	11	11	10	-9	-8	-10	-13	-15	-18	-17	-14	-16	-15	-15
-15	-17	-16	-15	-13	-12	-12	-11	-10	-9	-12	-11	-9	-9	-9	7	5	4	4	4
2	0	-3	-7	-9	-9	-10	-10	-10	-11	-5	-3	-1	-10	-9	-8	-7	-6	-4	-3
-3	-4	-4	-3	-3	-3	-5	-4	-3	-4	-3	-6	-1	-2	0	2	3	4	1	0
-1	-1	-3	-3	-3	-2	-7	-7	-8	-9	-11	-13	-14	-14	-14	-6	5	4	2	0
-2	-2	-3	-3	-4	-5	-7	-7	-8	-9	-11	-13	-14	-14	-14	-14	-14	-13	-13	-11
-8	-7	-6	-5	-5	-5	-4	-3	-3	-4	-3	-4	-5	-5	-6	-7	-8	-7	7	7

6	6	5	5	6	6	6	6	6	5	5	5	5	5	3	2	0	0
-2	-2	-4	-5	-6	-6	-6	-7	-7	-7	-6	-5	-4	-2	-3	5	7	9
11	11	13	14	15	15	17	15	16	16	17	18	18	11	2	5	-3	-8
-11	-14	-17	-18	-19	-19	-19	-16	-18	-18	-19	-18	-14	-10	-1	1	2	6
9	9	9	10	11	11	11	11	11	11	11	11	10	9	1	0	-2	-4
-5	-6	-7	-10	-11	-13	-13	-11	-12	-12	-13	-13	-7	-6	2	2	2	2
3	4	5	4	4	3	3	3	3	3	3	3	1	2	4	5	5	6
6	4	4	3	3	3	3	2	1	1	1	1	2	2	1	1	-2	-3
-5	-3	-2	-4	-5	-3	-3	1	-1	1	4	2	5	5	1	1		

11U294 34.001.0 EUREKA EARTHQUAKE JULY 6, 1934 - 1449 PST EPICENTER - 41 42 00N, 124 36 0  
 STATION NO. 102 CITY HALL, FERNDALE, CALIFORNIA COMP UP 40 34 12N, 124 15  
 INSTR PERIOD = 0.097 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -6.0 CM/SEC/SEC AT 13.66 SEC VELO = 0.8 CM/SEC AT 11.44 SEC DISP = -1.0 CM AT 9.06 SEC

INITIAL VELO = 0.18470 CM/SEC INITIAL DISP = -0.13592 CM

2972 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

1	-6	-5	-3	-9	-5	-4	-3	-1	0	2	5	8	9	8	6	2	-2	-5
-5	-1	1	10	16	18	14	9	0	-7	-14	-18	-17	-14	-8	-3	-2	0	3
3	2	1	-4	-2	0	2	3	0	1	4	4	1	2	4	3	2	0	-2
-4	-2	4	6	3	1	-2	-7	-9	-10	-10	-7	-6	-4	-1	3	6	10	13
14	14	14	9	7	5	3	-1	-5	-7	-10	-14	-15	-16	-13	-11	-4	3	5
8	11	9	8	6	1	-1	-5	-8	-11	-12	-10	-9	-6	-5	-6	-7	-8	-6
-2	-2	1	4	7	7	3	-3	-6	-9	-10	-9	-9	-9	-6	-3	-1	3	8
9	10	9	6	2	0	1	2	1	-2	-3	-5	-6	-5	-4	-2	-1	1	-1
-1	-2	1	4	7	9	6	2	-4	-10	-9	-2	1	4	3	5	6	2	0
2	3	1	0	-1	-1	-1	1	2	4	3	1	-2	-3	-4	-2	1	2	2
-2	-5	-4	-2	0	0	-1	-2	-3	-5	-7	-8	-7	-6	-5	-4	-3	-2	-2
-1	-1	1	2	3	4	6	4	3	2	3	5	5	0	-3	-6	-8	-9	-11
-13	-8	-6	-5	-4	-5	-7	-7	-6	-5	-3	-1	-1	-3	-3	-3	-5	-3	-2
0	1	0	-2	0	1	-1	-3	-3	-3	1	0	-1	-1	-1	-3	-1	0	0
1	2	1	0	1	3	4	4	4	2	1	2	3	0	-2	-4	-4	-5	-3
0	1	2	3	1	-3	-4	-3	-2	0	-3	-3	-3	-2	-3	-3	-2	0	-1
0	2	3	5	6	6	3	0	-4	-4	-7	-7	-5	-6	-6	-6	-5	-2	-1
2	2	3	2	-2	-2	0	0	-2	-5	-7	-9	-10	-9	-8	-9	-10	-11	-7
-1	2	4	2	2	3	3	2	1	-1	-4	-7	-9	-7	-4	-2	-6	-5	-4
0	4	6	3	2	2	2	0	-3	-2	-3	-3	-3	-3	-4	-3	0	2	3
3	1	-1	0	2	3	4	4	4	2	2	1	0	2	3	4	5	4	1
1	4	8	13	11	9	5	3	6	9	12	13	14	12	11	8	7	9	9
9	9	5	3	7	7	5	4	4	6	8	9	11	13	13	12	7	9	4
4	6	9	8	6	5	0	2	3	2	1	2	4	10	10	10	9	9	4
6	4	9	11	9	6	6	1	-2	-4	-6	-8	-6	-2	3	7	6	5	3
5	6	3	0	-2	3	7	10	11	10	10	8	6	5	1	-1	0	1	3
2	1	0	3	3	3	2	-1	-5	-3	-2	0	-3	-2	-2	-4	-4	-5	-4
-3	-1	0	2	1	2	4	1	-4	-4	-4	-3	-2	-7	-14	-20	-26	-30	-26
-18	-8	3	18	27	33	40	44	43	31	16	-9	-32	-37	-46	-44	-38	-33	-24
-17	-12	-6	1	5	12	17	20	17	10	5	1	-10	-24	-29	-32	-30	-21	-11
-6	1	7	19	15	11	6	-1	0	2	5	9	11	7	6	2	-4	-14	-17
-19	-22	-27	-25	-18	-5	26	24	10	6	0	-3	3	14	31	30	21	15	4
-6	-25	-48	-56	-58	-55	-47	-29	11	31	38	44	39	38	35	30	17	9	1
-7	-12	-20	-24	-19	-11	-1	8	10	12	11	15	19	22	27	33	37	44	31
-1	-32	-51	-60	-20	-5	14	18	11	7	-2	-4	-3	0	0	1	-2	-5	-9
-12	-12	-8	-4	-12	-17	-23	-23	-23	-16	-9	0	6	12	16	21	22	21	19
19	19	16	15	10	7	3	-1	-5	-10	-8	1	5	9	11	10	9	12	15
18	19	15	0	-32	-46	-49	-51	-50	-47	-40	-27	-8	9	16	21	22	24	25
29	34	38	30	15	7	1	-9	-16	-21	-23	-20	-17	-13	-13	-12	-10	-6	-3
4	15	24	33	26	18	15	11	2	-4	-13	-24	-33	-30	-23	-14	-13	-10	-12



-14	-15	-17	-16	-15	-13	-11	-8	-9	-13	-17	2	13	19	21	18	16	13	10	4
-1	2	-7	-4	1	3	9	6	1	-5	-10	-17	-22	-30	-32	-32	-29	-22	-17	-10
-13	-16	-16	-14	-12	-10	-9	-12	-9	-3	34	30	25	20	16	19	15	10	-4	-9
-5	-12	-16	-16	-15	-11	-8	0	7	11	17	15	14	19	1	19	-9	-19	6	1
-14	-10	-6	1	7	13	15	15	16	-11	19	23	25	25	22	19	14	11	6	-1
-15	-25	-31	-31	-27	-23	-17	-15	-13	-11	-5	-2	1	7	10	18	20	27	24	19
10	4	0	-5	-13	-14	-10	-10	-8	-5	1	6	11	18	21	25	28	25	21	14
5	-4	-15	-23	-27	-31	-30	-30	-27	-26	-24	-19	-14	-9	0	8	13	15	14	10
6	2	-2	-5	-5	-8	-13	-13	-14	-14	-13	-9	-6	-3	4	16	17	26	34	35
30	26	19	12	4	-1	-4	-6	-9	-10	-11	-12	-16	-19	-21	-20	-16	-12	-10	-8
-4	0	5	10	15	20	23	17	13	7	1	-3	-8	-10	-12	-13	-12	-11	-10	-5
-1	4	11	15	23	29	34	36	30	25	18	11	4	-6	-15	-21	-25	-28	-26	-24
-21	-17	-10	-5	0	3	3	3	0	-1	-3	-6	16	16	15	13	11	9	6	3
-13	-10	-6	-4	3	6	8	10	11	12	14	16	16	24	28	21	18	15	9	3
-2	-5	-9	-12	-15	-18	-17	-13	-10	-5	0	8	16	16	14	14	15	16	14	12
-7	-12	-19	-23	-23	-23	-19	-14	-11	-6	-10	-10	-9	-7	-6	2	8	10	16	19
10	8	6	4	2	-1	-4	-6	-8	-11	-16	-21	-20	-17	-15	-10	-5	1	7	13
22	26	21	20	17	10	3	0	-5	-11	-13	-16	-22	-27	-29	-25	-21	-12	-8	-1
18	19	17	14	10	8	4	1	-2	-8	-11	-19	-22	-23	-21	-19	-14	-10	-5	-3
7	22	35	45	45	40	35	25	11	-1	-11	-19	-22	-23	-21	-19	-14	-10	-5	-3
-4	-4	-5	-4	-3	-2	-1	2	5	8	12	12	12	11	8	3	-2	-6	-11	-17
-17	-13	-10	-7	-3	-9	-13	14	19	22	31	31	32	30	25	20	8	6	4	4
5	6	3	0	-4	-9	-13	-14	-13	-10	-8	-5	-2	6	13	18	22	23	25	23
20	17	12	7	1	-5	-9	-14	-19	-20	-17	-15	-10	-5	0	4	7	8	8	7
7	6	6	6	6	7	8	7	4	2	-1	-4	-8	-6	-3	-1	1	3	0	-2
-6	-9	-10	-9	-6	-3	3	8	13	15	15	13	8	4	1	-1	-2	-4	-5	-7
-6	-3	-4	-6	-7	-5	-4	-4	-5	-6	-4	-3	-1	0	2	4	6	5	4	3
3	2	0	-2	-4	-6	-8	-9	-10	-11	-11	-12	-13	-13	-14	-13	-10	-8	-3	2
4	7	9	11	13	13	13	12	9	6	3	0	-5	-10	-13	-16	-20	-20	-20	-18
-13	-8	-6	-3	1	5	7	8	7	4	3	1	-2	-4	-4	-4	-2	3	5	7
5	2	0	-1	-3	-4	-6	-6	-4	-3	0	3	4	3	1	-4	-5	-7	-6	-6
-4	-6	-9	-10	-7	-5	-7	-7	-4	-4	-3	-1	0	0	1	3	6	7	9	10
13	15	16	14	13	9	4	-2	-4	-6	-6	-5	-5	-8	-5	-3	-1	-3	-4	-4
-4	-5	-6	-6	-2	-2	0	3	7	6	4	1	-3	-5	-10	-11	-11	-12	-14	-16
-12	-8	-3	5	9	11	11	8	1	-5	-12	-15	-15	-16	-15	-14	-12	-10	-10	-12
-11	-10	-9	-8	-5	-3	-1	0	4	4	4	3	0	1	2	2	0	-1	-5	-7
-7	-9	-10	-12	-13	-15	-16	-18	-16	-12	-9	-5	0	6	11	14	16	18	16	15
13	10	7	3	-1	-4	-6	-7	-8	-9	-6	-3	0	2	4	8	12	15	13	10
7	3	-1	-5	-8	-10	-12	-13	-11	-9	-6	-3	1	6	7	6	4	2	0	-1
-2	-3	-4	-4	-5	-6	-5	-5	-4	-6	-5	-3	-1	1	3	4	4	4	3	2
1	0	-2	-5	-7	-8	-9	-9	-9	-7	-6	-4	-1	0	2	1	-1	-3	-3	-1
2	2	2	2	2	2	2	4	6	7	8	10	11	12	12	13	14	15	17	18
18	19	16	15	14	11	11	5	1	-3	-7	-9	-11	-12	-13	-12	-10	-8	-5	-2
-1	1	5	11	13	14	11	10	7	3	1	-1	-4	-8	-10	-12	-13	-11	-11	-6
-6	-5	-4	-2	0	-6	-4	3	3	4	8	10	8	8	6	5	3	2	0	-1
-2	-3	-5	-6	-8	-1	-2	-2	0	-2	5	7	2	-1	11	13	14	12	12	11
9	6	5	3	1	-1	-2	-2	-2	-2	-3	-4	-2	-1	1	3	6	7	8	8
8	7	6	5	3	0	0	-2	-3	-2	-1	-4	-1	-1	5	6	7	8	9	8
6	4	2	0	1	2	1	-1	-1	-1	-1	-2	-3	-4	-5	-7	-8	-8	-9	-8







1	0	-2	1	2	1	-3	-2	-2	-2	-4	-6
1	-1	-2	1	2	2	-3	-2	-1	-2	-4	-6
1	0	-2	1	2	2	-3	-1	-1	-2	-4	-6
1	0	-2	3	2	2	-2	-1	-1	-3	-3	-6
1	0	-2	4	2	2	-1	-1	-1	-2	-3	-6
1	0	-1	3	2	1	0	0	-1	-2	-3	-6
1	0	-1	1	1	1	0	0	-2	-2	-3	-6
0	0	0	0	1	1	0	0	-2	-1	-3	-7
-1	0	0	-1	1	1	0	0	-1	-1	-3	-7
-1	0	0	-1	1	0	0	0	-1	-1	-3	-7
-1	0	0	-1	1	0	0	0	-1	-1	-3	-7
-1	0	0	-1	1	0	0	0	-1	-1	-3	-7
-1	0	0	-1	1	0	0	0	-1	-1	-3	-7
-1	0	0	-1	1	0	0	0	-1	-1	-3	-7
0	0	0	-1	1	0	0	0	-2	-2	-3	-7
0	0	0	-1	1	0	-1	0	-3	-3	-3	-7
0	1	0	-1	1	0	-1	0	-3	-3	-7	-6
0	1	0	-1	1	0	-1	0	-2	-3	-7	-6
0	1	0	-1	1	0	-1	1	-2	-2	-6	-6
0	0	0	-2	1	0	-1	0	-2	-2	-6	-6
0	0	0	-2	1	0	-1	-2	-2	-2	-6	-6
0	1	0	-2	1	1	0	-2	-2	-2	-6	-6
0	1	0	-2	1	1	0	-2	-2	-2	-6	-6

IIU295 35.002.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK OCT 31, 1935 - 1218 MST EPICENTER - 46 37 00N, 111 58 0  
STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA COMP EAST 00 00 00N, 000 00  
INSTR PERIOD = 0.101 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

```
PEAK VALS      ACLN = -25.3  CM/SEC/SEC AT  2.08 SEC      VELO = -0.4  CM/SEC AT  2.10 SEC      DISP = 0.2  CM AT 19.80 SEC
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INITIAL VELO = -0.24089 CM/SEC INITIAL DISP = 0.01999 CM

1061 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

[illegible]

1	2	2	0	1	2	2	1	0	0	0	1	1	2	2	3
1	2	2	0	1	2	2	1	0	0	0	1	1	2	2	4
1	1	2	1	2	2	0	0	0	0	0	1	1	2	2	4
1	1	2	1	2	2	0	0	0	0	0	1	1	2	2	4
0	2	2	1	2	2	1	0	0	0	1	0	0	2	2	4
0	2	2	1	2	2	1	0	0	0	0	2	0	2	2	3
0	3	2	2	3	1	1	1	0	0	1	2	0	2	2	2
0	3	2	1	3	1	1	1	1	1	2	1	1	3	1	1
1	4	1	0	3	2	1	1	2	1	1	1	2	3	0	0
1	4	1	0	3	2	1	1	2	1	1	1	2	3	0	0
2	3	1	1	2	2	1	1	3	0	1	4	4	3	0	0
5	3	1	1	2	2	1	1	3	1	2	4	4	3	0	0
3	2	1	1	1	0	0	3	1	1	3	3	3	3	0	0
3	2	1	0	3	1	1	1	3	1	1	3	3	3	0	0
1	1	1	0	3	1	1	1	3	1	1	3	4	4	1	1
1	0	1	2	1	1	0	1	1	1	0	2	2	4	1	1
0	0	2	1	2	0	1	1	3	1	1	2	4	4	1	1
0	0	2	1	1	0	1	1	1	1	3	1	4	4	1	1
1	1	3	1	1	0	2	2	1	1	2	1	3	3	2	2
1	1	2	1	0	2	2	2	1	1	2	1	2	3	2	2
1	1	2	1	0	2	2	2	1	1	2	1	2	2	2	3





[illegible]

IIJ296 35.004.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 21, 1935 - 2058 MST EPICENTER - 46 37 00N, 111 58 0  
 STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA COMP NORTH 00 00 00N, 000 00  
 INSTR PERIOD = 0.098 SEC DAMPING = 0.632 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -7.3 CM/SEC/SEC AT 0.46 SEC VELO = 0.3 CM/SEC AT 0.36 SEC DISP = 0.2 CM AT 2.80 SEC

INITIAL VELO = 0.17241 CM/SEC INITIAL DISP = -0.06625 CM

907 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-10	-56	30	59	-24	0	35	5	-2	-23	-55	-39	12	-24	10	33	70	36	-9	-14
-33	3	-26	-73	13	-15	-36	50	21	-37	5	38	11	29	8	-17	11	-2	-35	-11
26	34	-18	4	-1	20	-14	-51	-43	12	-27	7	33	46	-4	21	16	-7	-2	17
-25	-17	29	-5	-26	-18	7	44	3	17	-2	-4	-9	-4	-5	-13	-42	-25	-12	16
37	57	-3	-13	-19	-29	-52	-2	29	14	-31	-40	23	23	38	31	4	-1	23	-2
-18	12	-7	-27	-11	-12	-9	-8	-4	-2	10	22	25	-5	4	20	9	-9	-12	-11
-10	-10	-13	-9	-5	2	7	26	18	-20	-36	-13	10	2	22	31	-3	-1	14	-21
-33	-11	2	5	2	-1	-3	-2	7	8	-5	-2	-5	-4	-5	-6	-7	-7	-6	-6
-5	2	4	-1	2	11	10	-6	-5	7	9	5	-4	-11	-21	-20	-11	4	8	0
-3	-5	0	1	5	5	-5	-7	-1	4	4	3	6	4	-1	-1	3	5	1	2
5	-1	-2	2	4	6	0	-4	5	8	7	2	7	6	4	-5	-7	-1	2	1
-2	-4	-6	-2	2	7	3	3	-1	3	-1	0	0	3	1	1	6	5	-4	-1
-1	-1	-2	-1	-2	-1	-2	-1	1	4	4	0	-4	-4	7	8	7	1	3	4
1	6	4	0	-4	-7	-6	-6	-2	0	2	-2	-6	-4	-4	-2	-2	-2	-3	-2
-1	2	2	0	0	-1	-1	-3	0	5	3	0	1	3	1	-3	-3	-1	0	-3
-5	-8	-5	-3	-2	-1	0	-1	0	0	-2	-2	3	0	0	-2	5	7	5	-13
-5	0	3	-1	1	4	6	3	-4	-4	1	3	0	-4	0	0	-1	-3	-3	-1
1	2	3	3	2	2	3	3	4	5	2	-1	-3	-9	-9	-6	-2	3	4	0
0	2	4	2	2	4	5	1	-3	-5	-3	-1	3	5	6	6	-2	3	4	2
1	-1	-1	0	-2	-3	-3	-2	0	0	-2	-3	-1	-2	0	1	0	1	0	0
1	2	2	0	-3	-3	1	4	7	9	8	6	4	3	1	0	-1	-2	-3	-2
0	-2	0	2	1	2	0	0	-2	3	4	2	3	3	2	1	1	2	1	0
1	1	1	2	2	0	-3	-4	-3	1	1	1	0	0	0	-1	0	-2	-1	-1
3	1	-2	0	3	4	1	3	2	-1	0	1	3	2	-3	-2	-1	0	0	-2
-1	-2	-2	-2	-2	-2	1	2	-1	-3	0	1	-3	-4	-2	2	1	2	1	-1
-2	-1	3	0	-2	-2	7	8	3	3	1	4	4	-5	-4	-2	0	0	-1	-2
-2	-1	0	-1	-1	-1	-1	-2	-2	-2	-2	1	1	1	-4	-3	1	4	1	-2
-4	-6	-4	-2	1	0	-3	-2	0	4	3	2	1	-1	-2	-3	-1	-1	-1	1
2	2	4	4	3	1	-1	-3	-1	4	4	6	4	2	2	-1	1	-3	3	2
1	1	1	1	1	2	-1	-2	0	0	0	2	0	-1	-2	-2	-2	-3	-1	1
1	0	2	3	-1	4	5	4	1	0	1	3	4	-2	-1	0	-3	-3	-1	3
3	2	-1	2	-2	-3	-3	0	2	4	2	-3	-8	-3	1	1	-5	-8	-6	-4
0	0	-1	-5	-4	-6	-6	-4	0	3	3	-4	-6	-6	-5	-3	0	2	2	0
-3	-7	-3	0	1	-3	-3	-3	1	3	3	-2	-2	0	0	2	2	1	0	-1
1	2	-1	-5	-5	-4	1	1	0	-2	-4	-4	-5	-1	0	1	3	1	-3	-1
2	2	1	-2	-1	-2	-2	-1	2	5	7	1	-5	-7	-2	2	5	-1	-4	-5
-2	0	1	-2	-2	-1	2	1	-2	4	7	7	3	0	-2	-5	-3	-1	0	-1
-3	-3	2	6	6	5	1	0	-1	-1	-1	0	2	3	-1	-2	-2	-1	1	3
1	-1	-1	0	-2	-3	-2	-2	1	1	3	6	0	-1	-3	-3	0	1	1	0

0	2	1	1	-1	-2	-3	-3	-1	-1	0	-1	0	4	0	-1	-1	0
0	1	1	1	-1	-2	-3	-3	-1	-1	0	-1	-2	1	0	0	-1	0
-1	0	1	0	0	0	0	0	1	1	0	0	4	1	0	-1	1	0
1	2	-1	1	1	1	-1	-1	0	-1	1	0	0	0	0	-1	0	-1
0	-1	0	-1	-1	0	0	0	2	4	5	0	0	0	0	1	-1	-1
0	0	1	1	1	1	1	1	0	0	0	0	-2	-1	0	1	1	0
0	1	0	0	0	-2	-3	-3	3	1	-3	0	-1	-2	-1	0	0	-1
0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

IIU296 35.004.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 21, 1935 - 2058 MST EPICENTER - 46 37 00N, 111 58 0  
 STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA COMP EAST 00 00 00N, 000 00  
 INSTR PERIOD = 0.101 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = 11.0 CM/SEC/SEC AT 0.34 SEC VELO = 0.4 CM/SEC AT 0.38 SEC DISP = -0.2 CM AT 4.32 SEC

INITIAL VELO = 0.09837 CM/SEC INITIAL DISP = 0.02224 CM

904 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

28	-1	8	26	28	48	15	-12	-13	-41	-42	-43	-76	-52	57	46	49	110	46	-18
-18	-48	-35	-52	-12	-2	-23	23	57	38	23	19	-22	-47	-23	-7	23	11	-39	-42
-7	15	-16	9	16	-30	20	24	-12	8	-23	-13	17	15	-16	-23	-11	-22	-47	5
-11	-24	3	3	-10	6	22	22	-1	39	3	-30	-9	-8	14	36	-5	-19	-20	-29
-16	7	9	10	-5	3	-32	-23	6	31	41	-15	-1	2	-6	-21	-6	22	10	-19
-22	7	10	26	-1	-31	-2	19	36	13	-19	-4	4	27	-7	-9	-24	-26	-23	1
13	37	-8	-9	9	-18	-1	14	41	-11	-21	7	14	-25	-10	-16	-10	-8	1	4
16	7	-8	0	13	-2	3	-16	-24	6	6	-6	6	5	-5	-4	-1	5	5	12
15	19	7	-15	-22	-11	-1	9	-23	-10	2	9	19	28	11	-15	10	4	-6	0
6	-24	-11	-1	15	27	9	-9	-3	10	9	13	4	0	18	0	-10	11	-19	-11
1	12	10	-12	16	12	-7	-13	-6	15	2	-26	-8	3	14	17	-5	12	19	-4
-14	-14	-9	7	15	28	14	-11	-1	7	-14	-12	9	17	12	-21	0	5	5	-2
-1	-10	-9	-2	7	22	-2	-23	-16	-7	9	8	-10	-11	3	17	7	4	9	-7
4	10	4	-16	-21	3	22	10	-12	-11	-8	4	3	-12	15	5	-1	-4	11	4
-12	2	0	-4	-2	19	12	0	6	-7	-16	-19	-14	4	17	-3	-22	-18	14	6
-10	8	13	-6	-13	-1	12	-1	-2	7	-13	-11	-2	6	-3	-4	2	15	14	-2
-17	-13	3	10	6	1	-7	-5	6	1	0	9	12	2	-1	5	7	5	-1	-4
-10	-11	-3	16	9	-7	-6	5	6	-4	-2	1	6	2	-21	-11	3	20	-13	3
10	9	1	-9	-6	10	7	5	1	-11	-7	3	-12	-4	-1	7	14	14	9	5
-3	-11	-15	0	0	-11	-1	-3	0	4	7	-2	-8	-8	-4	1	0	-2	-5	-10
-15	-8	5	13	-6	-9	-4	3	1	-7	-2	3	9	5	-4	0	7	5	-5	4
8	5	-5	-1	.3	3	2	4	2	1	2	2	1	-3	-6	0	4	7	3	-4
1	10	-2	-1	-5	-1	-2	-1	2	3	1	0	-5	-6	-3	4	8	-2	-2	0
-1	-1	-2	-2	4	8	7	-1	-2	-3	-3	-3	-4	-4	-5	6	1	-6	7	-1
-4	-3	8	1	-7	0	3	15	2	-6	0	6	3	-8	-8	-5	5	0	-2	-6
-11	-8	-1	-2	-4	-4	-6	-8	-7	-5	-2	2	6	0	-4	-1	-1	7	11	-6
-3	10	6	2	-1	-5	-5	-6	-3	1	1	3	-2	-8	-8	-1	0	-4	-10	-4
7	-4	-9	-5	-2	1	4	5	-3	-7	-7	-1	8	3	1	0	0	2	-3	-4
-2	-1	2	5	8	-1	-1	9	-4	-14	10	10	2	3	1	2	2	2	5	3
0	-3	-4	-4	-3	2	6	0	-1	-4	-4	-2	0	0	1	-3	-10	-10	2	8
2	-6	5	2	-4	5	4	1	1	0	1	2	7	3	-5	2	1	1	1	2
0	-5	-10	0	-2	-4	4	1	1	3	3	5	0	-5	4	2	0	4	8	11
-7	-9	-1	3	11	8	0	5	2	3	4	5	-8	-10	3	7	-6	-12	-7	2
12	0	-6	2	9	6	1	-7	1	12	5	-1	-3	12	-6	-13	-4	4	2	-13
-4	-4	-1	-1	-1	-2	-2	-4	0	6	6	-5	-9	-5	-4	-1	-4	4	2	-3
-6	-7	-2	0	3	-1	-3	-4	-5	0	5	-1	-4	2	4	1	5	4	1	-10
-4	0	4	-1	-7	6	-7	-8	-12	-6	1	2	1	5	9	1	-1	0	0	0
-3	-3	-2	-2	-1	1	5	2	-1	-1	-2	0	1	6	2	4	-3	-5	4	5
2	-6	-3	3	9	0	-11	-7	0	2	-2	2	-1	-1	0	2	4	7	9	12
6	-6	-2	2	4	0	0	-4	-1	1	-2	0	-2	-3	4	-5	-7	-1	1	7

2	4	4	6	2	2	3	2	2	3	3	3	3	5	7	7	4	4	4
4	4	4	4	4	2	-1	-1	2	3	-1	-1	-1	-1	-1	-3	-2	0	1
0	0	-3	-4	-2	-4	-7	-8	-3	0	1	1	0	0	-3	-6	-3	0	-4
1	-1	-2	-8	-2	-3	-7	-6	2	-5	8	5	0	-8	0	0	3	1	1
3	3	-1	1	1	1	3	2	1	1	6	4	4	-5	-4	-3	-1	0	0
-2	-2	-1	-1	1	1	1	2	1	1	4	7	4	-2	-4	-3	-1	0	0

IIU296 35.004.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 21, 1935 - 2058 MST  
 STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA  
 INSTR PERIOD = 0.098 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 46 37 00N, 111 58 0  
 COMP UP 00 00 00N, 000 00

PEAK VALS ACCLN = -5.0 CM/SEC/SEC AT 0.08 SEC VELO = 0.2 CM/SEC AT 5.50 SEC DISP = -0.1 CM AT 4.30 SEC

INITIAL VELO = 0.01479 CM/SEC INITIAL DISP = 0.03155 CM  
 906 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-6	18	-13	-47	-50	-7	25	37	23	-9	-22	37	11	24	6	-3	-16	-25	-15	-40
-17	20	-4	0	28	-8	30	-7	-10	0	5	2	-33	-22	16	33	0	14	2	-5
13	-9	6	23	-8	0	-38	-46	-27	17	4	8	21	10	5	12	17	-9	-12	-1
4	13	-1	-6	19	24	8	-22	-5	19	-10	-25	-12	-11	8	17	7	15	15	15
7	-14	-17	-7	4	-15	-30	-18	1	12	10	9	5	-2	-12	-2	10	32	27	-5
-9	-21	-4	7	21	3	-28	-19	-11	-1	-1	2	1	4	8	19	15	1	-15	-3
17	20	1	-7	-16	-22	-5	12	9	-14	-18	-3	7	12	-4	-11	-2	8	-10	-18
-8	5	14	16	1	-9	-2	3	11	17	16	10	-2	-10	-13	-4	7	-14	-11	-2
7	13	6	-15	-7	-4	21	1	-15	-18	-15	-10	12	4	-7	-4	7	13	-3	-15
-10	-4	3	11	10	-4	-13	-7	5	0	-1	11	2	11	7	-7	-1	-5	-1	0
0	0	1	1	2	2	3	4	3	1	-3	-4	-1	8	20	3	5	12	1	-12
-8	4	16	0	-9	1	10	-4	-12	0	9	17	8	1	-13	-8	-4	5	13	21
-3	1	9	-2	-7	3	12	8	4	-3	-9	2	4	-10	-14	6	12	3	7	4
3	-1	0	-4	-5	-3	8	13	0	0	-5	-1	1	5	8	2	-2	-5	-5	-6
-6	-5	-5	-4	-2	0	1	4	8	3	-3	1	8	3	-1	-6	-3	2	-2	-4
-4	-4	-3	-1	-3	-3	-4	-3	-2	-1	1	0	1	3	3	2	-1	-4	-5	-4
-1	7	4	-2	-4	-4	1	1	-2	-1	-2	-3	-4	-4	-2	2	2	0	-2	-1
-1	-1	-2	-1	1	-2	3	-2	-3	2	2	0	-2	-6	-5	-4	-2	-1	-1	-5
-5	-2	-1	-3	-2	3	0	-6	-6	-4	3	7	2	0	0	1	2	2	1	0
-2	-2	-1	3	3	2	1	-1	0	0	1	1	2	2	2	1	1	1	2	2
0	-1	-4	-5	2	5	0	-3	-5	0	1	2	2	1	-2	-1	0	-2	-3	-4
-6	-4	-2	1	0	-3	-3	0	1	2	-3	-2	1	3	0	-4	-2	1	3	5
5	2	0	-1	-1	-1	-2	-3	-3	-3	2	-1	4	1	-1	-2	-1	1	1	0
-2	-2	1	5	5	1	1	2	3	2	2	1	1	0	0	0	0	0	-1	-2
-3	-2	0	1	1	-2	-4	-1	-2	0	2	1	0	1	0	1	1	0	1	-1
-2	1	1	1	0	-1	-1	0	0	0	0	0	0	-1	0	0	-1	-1	-1	-1
-2	-1	-2	-2	-2	-2	-1	0	0	0	-2	0	-2	-1	-1	-2	-1	-1	0	0
0	0	0	0	0	0	0	0	0	-1	1	-2	-1	-1	0	-1	2	0	-1	-1
0	0	0	0	0	0	-1	0	0	0	-2	1	-1	-1	-1	1	0	-1	0	0
-2	-2	-2	0	1	-2	-4	-2	-3	-1	0	-2	-2	-3	-1	0	-1	-2	-2	-2
-3	-3	-1	0	-1	0	0	0	0	0	1	2	2	1	1	1	1	1	1	0
1	0	1	2	3	2	2	2	2	4	5	5	5	4	3	2	2	1	2	0
-1	0	0	0	0	1	0	0	0	0	0	3	4	3	2	0	1	0	0	1
5	5	0	0	1	2	0	0	-1	0	1	3	3	0	-3	-1	-1	0	-1	-1
-2	-1	0	0	1	2	-3	-5	-3	0	-1	-2	-4	-1	-1	0	0	2	-2	-3
-3	-2	2	2	1	2	3	4	-3	0	-1	0	0	-1	-1	-2	-2	1	-1	-2
-3	-2	-3	-2	-1	1	1	1	1	1	1	2	2	2	0	0	2	1	0	0
-2	-1	-1	-2	-4	2	1	-3	-2	0	1	2	3	1	1	0	1	0	0	-3
-1	-1	-1	1	0	-3	-4	-3	-2	0	1	2	1	1	1	2	-2	-3	0	-1
4	3	1	0	1	0	-2	-1	-1	1	1	1	1	1	2	2	0	-3	0	-1

[illegible]

ITU297 35.003.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 28, 1935 - 0742 MST EPICENTER - 46 37 00N, 111 58 0  
STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA COMP NORTH 00 00 00N, 000 00  
INSTR PERIOD = 0.098 SEC DAMPING = 0.632 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -74.9 CM/SEC/SEC AT 1.16 SEC VELO = -3.2 CM/SEC AT 0.66 SEC DISP = -0.8 CM AT 0.82 SEC

INITIAL VELO = -0.93454 CM/SEC INITIAL DISP = 0.18536 CM

2251 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

62	-46	0	5	33	38	57	46	-84	-21	41	38	-14	-13	-27	-141	-34	20	-25	35
222	-15	-182	56	179	38	-144	-292	-238	-114	-210	-224	-130	-64	99	221	365	232	135	239
211	370	378	65	-345	-4	32	419	-415	-307	50	184	481	-310	-47	91	443	38	-749	-105
-104	205	-274	-311	-183	21	29	-37	-62	157	318	2	-157	148	96	188	-23	-176	-50	131
1	-21	127	-19	-17	143	-64	-63	-43	102	-56	-107	50	124	117	94	89	79	-32	2
-128	-190	-21	48	-59	-162	-170	-12	37	120	67	-67	-83	17	30	34	-5	-97	20	76
111	60	-56	-11	52	56	-9	-43	-39	42	87	44	15	33	51	3	-40	-31	-122	-49
42	6	-17	-75	-77	4	-32	-83	-23	10	11	73	21	28	113	61	-3	21	43	53
69	52	-6	-8	13	18	-68	-110	-64	8	-14	-22	28	17	37	-6	-57	-15	-28	-61
-15	36	50	9	50	7	-21	-34	-38	-22	-6	26	-13	-6	-9	-37	17	6	-5	32
20	-25	-35	14	22	8	-19	-44	-23	1	-7	-34	17	54	55	21	52	-7	-29	-20
-27	-41	16	24	-5	-29	4	16	-27	-12	12	-13	-45	-29	-8	12	9	-7	5	45
33	-8	8	20	43	-5	-61	-40	-24	27	25	-15	-14	-31	-47	-68	-10	28	-4	14
8	-6	-42	-21	7	9	-27	5	46	69	46	13	54	0	-9	28	-32	-8	-18	-36
-16	10	22	35	-20	-4	8	-25	-27	-6	-14	-23	17	15	-6	-13	-2	6	24	26
-10	7	19	27	-10	6	-38	-28	5	18	-27	-36	-18	-3	18	32	10	-11	-5	10
14	-24	-12	-9	0	6	17	26	36	7	-12	-10	16	-20	-34	-30	-13	10	26	37
7	-25	-22	18	34	22	-21	-11	32	-1	-15	-9	-3	-17	-18	-12	-3	-7	-5	4
7	11	1	-4	7	12	4	13	21	8	-12	-13	-6	7	-15	-6	0	9	14	-9
-20	-3	-4	-1	4	8	13	3	-20	-2	9	33	1	-27	-29	-14	-7	10	17	16
-7	23	34	25	-17	-4	16	-2	-15	-3	10	22	8	-10	-13	12	-4	-19	-14	-33
-29	-16	7	36	20	-7	3	10	-3	-18	10	29	-13	-17	9	8	-32	-12	5	27
17	-32	-38	-36	15	12	31	10	-23	-18	15	50	35	6	-5	-35	-52	13	6	55
33	22	18	12	-6	-16	15	4	-28	10	-12	-28	3	-50	-15	42	32	-11	21	2
21	-42	7	5	-5	-11	-2	39	58	8	29	5	-15	22	-18	8	58	14	23	-13
-7	-40	-113	-61	53	215	155	34	73	125	-299	-239	-43	179	119	-72	-115	57	-257	-418
-64	128	368	661	-434	-322	12	112	433	-252	-352	-46	13	-98	40	146	12	-99	-105	-20
-49	2	79	143	115	-322	-5	-52	-39	-13	-86	-83	-27	-4	-9	-56	-23	0	120	48
-32	-56	-78	-31	40	72	61	15	11	54	74	19	-36	-33	-24	28	-33	-115	-80	-20
31	21	-6	58	39	33	70	45	-56	-132	-55	10	-14	-45	-58	33	61	17	-7	1
38	52	64	46	18	-15	-10	7	-11	-6	5	-46	4	-13	-30	-36	-9	-49	-114	-61
18	39	62	2	14	-4	8	17	65	51	9	-3	38	31	-8	21	-17	5	-6	-46
-33	-15	-49	-20	13	27	9	-42	-7	11	-33	-2	42	9	-17	-29	-11	18	20	-34
-16	17	69	37	-28	-16	-10	10	-2	1	7	-4	-4	16	13	-8	-2	4	1	-3
-3	-7	-26	-40	-23	0	-3	-12	-2	17	10	-11	-4	34	10	19	30	0	-10	27
34	26	25	-28	-39	-47	-11	17	31	8	-22	-6	5	8	0	-15	-20	-7	0	6
19	32	27	7	-18	-22	-30	-23	13	35	23	9	-4	-23	-22	11	11	-6	-21	-4
12	20	26	-1	-20	-10	1	8	3	-13	8	22	8	-8	-12	-19	5	20	19	12
0	-5	24	45	34	10	-2	-15	-9	-9	-22	-19	5	32	-4	-13	-22	-24	-4	11
14	11	2	-12	-9	28	37	5	-7	4	15	23	27	-9	-20	5	10	21	22	6





2	6	5	3	3	0	-5	0	-4	-2	1	2	4	1	2	0	-3	-1	-1	-1	-3	-5	-4
0	2	4	3	4	-3	-1	-1	-2	2	3	4	1	2	2	-2	2	5	0	-3	-5	-5	
-1	0	3	-2	7	-3	-2	4	1	1	3	1	2	1	1	-2	2	4	1	-3	-8	-5	
-2	-1	-4	3	0	-3	3	4	1	1	1	-1	4	0	1	1	2	3	0	-3	-9	-6	
-2	-1	2	-1	-2	0	-3	2	4	1	-1	1	5	1	0	2	1	2	0	-3	-9	-8	
-3	2	2	0	-2	-1	-4	0	3	-1	-1	2	4	2	0	2	1	1	2	-3	-8	-7	
-3	1	3	1	0	1	-6	0	2	-3	-1	3	3	4	2	1	1	0	3	-3	-7	-6	
-2	0	3	2	1	1	-7	2	2	-3	2	4	2	2	3	1	1	0	1	-3	-7	-7	
-2	0	3	3	3	2	-8	2	2	-2	5	5	2	1	3	1	0	0	1	-3	-7	-7	
-1	0	3	3	3	2	-10	3	0	-1	4	4	3	1	3	1	0	-1	3	-3	-7	-6	
1	1	2	2	2	-10	2	0	0	0	3	2	3	1	3	-1	2	-1	4	-3	-6	-6	
1	1	0	0	1	1	-5	2	2	2	1	0	2	1	3	-2	0	0	3	-3	-5	-6	
2	0	0	-3	1	1	-3	3	3	1	0	-2	3	1	3	-2	2	1	2	-4	-4	-6	
1	-1	1	-1	0	0	-2	3	1	1	0	-2	3	2	2	-2	2	2	1	-4	-3	-7	
-1	1	1	-1	0	0	-1	0	-3	-1	-1	0	3	2	2	-2	1	2	3	-4	-3	-4	
-1	0	1	1	0	-1	-2	-5	0	0	-2	0	3	2	3	-1	1	1	4	-4	-3	-3	
-2	0	1	0	0	-2	-1	-3	-3	0	-2	2	3	3	3	-1	0	0	1	-3	-2	-3	
-1	2	2	0	0	-4	-1	-1	-2	0	-2	2	4	3	2	-1	-2	-1	1	-3	-4	-4	
-2	4	1	1	-4	-2	2	-2	-2	0	-1	1	4	3	1	-3	-1	0	-2	-4	-4	-5	
-4	3	5	6	1	-2	-3	1	-5	0	-1	0	4	2	1	-1	-3	-1	-1	-2	-3	-4	

IIU297 35.003.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 28, 1935 - 0742 MST EPICENTER - 46 37 00N, 111 58 0  
STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA COMP EAST 00 00 00N, 000 00  
INSTR PERIOD = 0.101 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -83.1 CM/SEC/SEC AT 10.42 SEC VELO = -3.9 CM/SEC AT 0.72 SEC DISP = -1.0 CM AT 1.00 SEC

INITIAL VELO = -0.92553 CM/SEC INITIAL DISP = 0.13542 CM

2248 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-48	30	-35	21	-48	41	85	-1	-21	-34	-10	8	-28	30	-25	-21	32	17	73	-51
-77	7	47	153	-258	55	103	286	-122	-351	-172	-24	-111	-424	-421	-195	-28	202	438	501
247	89	-127	104	195	489	-90	-441	165	32	610	-527	-85	57	492	-320	-256	78	168	497
563	-381	48	135	-310	-265	-19	21	140	129	211	-59	26	-36	-247	-26	101	-83	101	-162
-8	-38	11	247	219	-224	-52	-128	-61	-107	-32	40	-49	-93	130	96	-23	29	152	58
-36	7	-75	-145	-37	34	117	22	-69	-158	-76	-10	55	-40	-13	-20	18	3	-20	-50
10	37	-21	59	30	-62	-18	-10	31	77	-32	-74	-21	-41	45	67	1	29	101	-51
-33	-1	47	-75	-32	-23	-51	-65	-62	-38	13	-32	29	37	-74	-5	-11	4	52	55
-1	22	-24	-16	63	-3	-89	31	-17	-54	28	7	-63	-8	-42	-46	5	24	82	40
-95	-6	39	64	-19	-18	7	8	-2	43	3	-2	37	35	48	-32	-1	39	-84	-72
-20	32	-3	-44	-58	-33	2	51	28	-23	-1	58	-10	-45	16	19	-34	3	30	72
6	-56	14	8	-40	-13	13	-29	3	-39	13	-4	22	19	-56	-2	-12	-17	11	-25
-18	32	-17	0	4	-15	-8	17	9	-17	-48	-49	8	25	35	43	63	32	-21	-1
-5	10	39	18	-61	-57	-72	23	20	-23	-6	-1	5	9	14	-8	-25	16	38	34
3	2	12	41	52	-2	5	-12	5	-9	-26	3	20	-47	-18	-8	-3	7	3	-4
-4	12	-29	-49	4	-2	-15	-7	3	-13	4	37	55	12	22	5	-15	7	0	13
8	41	-32	-29	-17	-20	-3	17	-1	-17	-11	20	14	-11	13	37	11	12	6	2
22	23	-9	-7	-25	-3	18	-44	-48	-8	-11	37	44	-32	-36	32	-18	-36	-12	-1
-4	14	13	-29	7	19	54	16	-12	40	-1	-1	6	29	10	-37	5	-3	-19	13
3	-6	-11	-6	3	15	4	-2	11	28	20	6	-25	-7	19	7	-7	-3	7	20
15	-20	-1	16	39	-12	-48	-27	0	14	-6	8	19	12	-4	16	16	11	5	25
5	-10	-38	-32	-13	13	-6	-5	28	0	-22	-2	41	18	-21	12	-1	15	16	55
-15	-29	-9	9	-42	-14	23	37	19	15	32	40	-16	-24	5	4	30	-21	-28	-17
48	19	2	38	-5	-28	-16	29	4	-18	-21	-38	-14	7	7	-13	-59	32	54	32
19	49	-12	-6	-27	2	-36	-21	16	28	-10	28	17	-4	-26	-2	-11	10	40	-11
28	19	12	-136	-192	-163	-291	-327	-152	-50	133	248	457	222	-85	20	225	162	-35	484
399	-831	-204	-173	167	-273	-138	29	235	-136	-7	-91	68	114	123	168	218	-526	-336	-283
-165	-39	112	244	263	-17	-6	14	59	52	146	78	-63	-35	30	-35	-204	-141	13	45
46	75	5	-49	-26	14	-28	-36	68	70	50	57	-5	-111	-72	-72	-4	33	11	-5
54	62	9	19	66	-20	-26	50	92	-19	-57	-62	-93	-24	-14	-22	-24	12	73	83
-7	-16	-1	11	-8	-39	-21	-14	4	37	58	59	-3	20	-2	-60	-38	-7	23	71
-27	-49	-67	0	49	17	-8	4	-29	-14	29	62	-53	-8	-14	-33	3	14	46	74
39	10	-25	-53	-52	-2	7	12	28	4	12	0	-37	-7	9	13	28	8	-7	15
-19	-63	-27	17	54	17	12	18	15	18	11	-9	-27	-26	-16	-8	3	16	-3	-27
-40	-33	-9	34	-1	-10	10	26	2	-13	1	5	25	11	3	10	-11	1	14	-11
-28	-5	-2	14	30	33	-44	-45	-52	-13	0	4	8	14	27	23	-20	3	1	-26
-24	-1	8	53	30	-21	5	22	38	-2	-19	-14	21	24	-9	-29	-23	36	-10	-15
8	-7	-13	28	28	-14	6	22	28	-26	-33	-13	7	9	-33	-32	-20	11	30	-1
9	-6	-24	-43	-2	12	7	1	9	18	10	2	-9	11	31	19	-2	-14	-24	-3
6	-14	-32	-3	8	24	-6	-1	15	23	2	6	9	33	-29	-12	6	10	34	2

-12	9	-7	-13	5	-14	-24	5	2	-8	20	9	-13	12	-9	-6	10	-27	-10	26	30
25	-5	25	-14	6	-26	-17	10	35	17	-37	-25	-12	10	-6	-13	16	-12	-22	3	16
8	-5	12	21	15	4	-2	14	15	-16	-32	-22	-19	2	9	21	15	-20	-19	7	10
-5	-6	-8	-6	-6	1	-6	-16	-13	-2	9	9	-19	-2	5	17	-6	-10	5	8	-25
-8	-30	-30	-4	7	10	3	7	5	-1	0	-7	-13	14	6	2	12	-2	2	5	21
15	1	1	-12	-3	5	13	2	11	-8	-16	-14	-8	-11	-9	6	4	-2	6	4	10
0	2	2	0	1	-4	0	1	-6	-9	-7	-3	4	-16	6	5	2	3	-1	-2	1
-10	-6	-6	-7	1	5	10	1	0	-3	1	5	1	-4	-1	2	7	4	1	-1	-10
2	-5	3	-5	1	-8	-2	1	-1	-8	-10	-11	-1	7	6	-5	-6	-10	-7	-7	-9
-10	-5	-5	-2	3	7	2	-16	-4	10	15	-12	-5	-7	-6	-8	-5	3	14	4	-9
7	7	11	11	4	-4	-13	-11	-7	-11	-4	1	8	9	2	-3	-8	-4	2	4	3
8	6	2	-4	6	-4	1	-11	-7	-3	2	6	4	-21	-4	10	18	6	-8	-6	-10
-7	17	2	-8	-14	20	-1	-14	-9	-6	6	-5	-9	1	21	14	-3	-3	-2	-1	2
1	-6	-6	-18	17	-7	-1	5	13	15	9	0	2	11	1	3	2	0	6	5	0
-3	0	-5	0	-13	-7	-12	-7	0	0	3	3	-3	-5	1	10	10	10	1	-7	-8
-1	7	7	-1	-1	9	10	-5	-3	9	1	-7	-11	-11	1	11	11	-11	0	5	13
2	-5	-5	-2	-3	0	-16	-6	6	5	0	-1	1	-4	-3	-2	3	1	-5	-7	-6
-3	-1	-1	4	5	-8	-16	-6	3	13	6	-10	-3	11	19	2	-6	-12	-10	-2	4
0	-5	-5	-2	5	11	10	3	-1	-8	-4	5	12	8	0	-10	-17	-9	8	3	-15
-11	-2	-4	4	2	-4	0	11	11	4	0	-2	-3	-3	-3	-3	-2	-1	8	13	-3
0	-4	7	-7	-10	-7	-5	0	2	5	5	5	3	0	-15	-10	2	9	6	3	1
-1	7	0	4	-6	4	-3	-6	4	6	5	-2	2	3	0	-4	-2	-1	-5	-7	-3
-2	1	-2	2	0	2	4	9	8	4	-7	-7	3	17	-3	-8	6	7	6	1	1
0	5	5	-2	-4	-1	5	-4	-12	-8	5	5	4	-1	-4	-2	2	3	2	1	-1
-6	3	3	0	-5	5	0	3	-6	0	8	1	-2	-5	-6	-6	-5	-2	-6	-13	-11
-2	3	0	0	-5	5	6	3	0	0	-3	1	4	5	8	1	-10	-5	-1	0	-2
-2	-1	-2	-2	2	5	4	2	0	-1	-2	-3	0	6	5	2	-3	4	2	-3	-3
0	0	0	-1	0	-1	-1	-1	-4	-6	-3	0	5	4	2	1	-3	-1	6	3	4
7	1	1	-1	0	3	3	0	-1	0	3	5	2	-2	-1	5	5	2	-2	-2	-1
-1	-1	1	3	6	-1	-2	-3	-3	-3	-4	-4	0	6	7	3	2	4	5	-7	-8
-1	-1	-1	-2	0	2	-3	-3	-1	5	6	0	-3	-3	-2	-1	-4	-2	1	0	0
6	8	8	6	-9	-2	-5	-9	-1	7	-3	-1	-1	0	-11	-9	-4	4	5	-5	3
7	7	2	-6	-7	5	-2	-7	-3	0	3	2	-4	-6	-5	2	8	-4	-13	-11	-4
-5	4	4	-6	10	4	2	-6	-6	-1	-1	-1	-4	-9	-3	0	6	1	3	0	-2
3	6	0	2	-3	-8	8	3	-1	4	12	6	2	7	6	0	-2	8	5	7	-2
0	0	0	0	0	0	-10	0	1	4	4	-3	0	0	0	-2	0	0	1	-1	-4
-3	1	1	-1	-5	-7	-2	1	2	-1	-2	-2	-2	-2	-3	1	3	-3	5	5	3
10	-5	-6	-8	-3	0	-1	-5	-8	-4	-2	-2	-2	-1	-1	1	-1	-3	-5	-2	-2
-2	-2	-4	-2	-1	5	3	-1	-2	5	4	4	0	0	0	0	3	-3	-3	0	2
0	0	3	2	2	-3	-3	0	1	4	4	-3	0	-2	-3	1	3	-3	-5	-2	-4



IIU297 35.003.0 HELENA, MONTANA, EARTHQUAKE AFTERSHOCK NOV 28, 1935 - 0742 MST EPICENTER - 46 37 00N, 111 58 0  
STATION NO. 000 FEDERAL BUILDING, HELENA, MONTANA COMP UP 00 00 00N, 000 00  
INSTR PERIOD = 0.098 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACIN = -31.7 CM/SEC/SEC AT 1.20 SEC VELO = -1.4 CM/SEC AT 0.70 SEC DISP = -0.8 CM AT 6.62 SEC

INITIAL VELO = 0.57290 CM/SEC INITIAL DISP = 0.15729 CM

2253 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-52	-66	-58	9	13	28	-58	23	36	-67	4	-39	14	-5	39	-34	17	-55	46	-61
-26	-44	52	-26	97	89	-10	-126	-111	-32	-87	-133	-80	-97	-199	-53	68	198	130	-61
2	75	214	115	3	52	-87	83	113	258	207	-176	61	50	90	4	-178	21	97	140
-317	-263	-152	-50	103	194	32	57	-32	-37	-17	-15	-102	-22	-1	77	-80	-145	-89	-118
93	26	52	98	-107	35	44	77	-32	-70	-127	-76	16	77	4	-34	-71	19	78	12
13	-77	-52	20	15	-15	-26	0	69	23	11	51	51	42	25	45	4	41	-4	-6
-33	-13	2	-26	31	33	25	-55	-36	-27	13	-35	-30	-54	-21	16	-9	-7	14	-50
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11U298 37.001.0 HUMBOLDT BAY EARTHQUAKE FEB 6, 1937 - 2042 PST EPICENTER - 40 24 00N, 125 06 0  
 STATION NO. 102 CITY HALL: ALLUVIUM, FERNDALE, CALIFORNIA COMP N45W 40 34 12N, 124 15  
 INSTR PERIOD = 0.099 SEC DAMPING = 0.607 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 38.5 CM/SEC/SEC AT 4.86 SEC VELO = 4.1 CM/SEC AT 5.02 SEC DISP = -0.9 CM AT 17.78 SEC

INITIAL VELO = 0.09981 CM/SEC INITIAL DISP = 0.06636 CM

3822 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-58	19	55	47	28	-13	-57	-72	-79	-54	-36	-20	-8	9	28	32	11	1	-16	6
21	47	25	8	-3	7	24	18	-6	-25	-47	-40	-29	-15	-11	-36	-45	-34	-16	11
27	21	13	28	32	40	40	30	22	23	-1	-27	-31	18	1	18	34	47	69	76
50	48	44	21	-16	-42	-57	-63	-76	-86	-96	-103	-92	-80	-66	-33	-3	25	48	63
74	66	53	42	26	16	10	5	-14	-13	6	18	33	40	43	46	27	16	13	5
1	4	15	8	-6	-24	-53	-68	-51	-47	-41	-35	-28	-18	-6	1	8	-4	-22	-39
-42	-33	-23	-6	12	31	46	23	4	-19	-41	-25	-8	10	13	12	29	41	46	49
44	42	31	14	2	-8	-13	-5	0	6	14	12	-1	-15	-36	-49	-46	-28	-5	20
44	51	39	37	31	31	27	29	17	-2	-28	-50	-60	-50	-23	9	17	19	2	9
25	36	46	31	3	-5	-6	-20	-38	-36	-31	-29	-23	-14	-1	-4	-19	-32	-43	-44
-43	-29	-17	8	28	56	63	49	46	48	47	45	18	-8	-64	-71	-61	-47	-21	-7
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230	306	356	385	376	337	286	211	149	86	-39	-20	-94	-155	-211	-235	-262	-312	-307	-262
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253	366	369	245	102	-42	-282	-358	-193	-83	42	154	135	55	28	0	25	6	-46	-91
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-28	-7	-57	-112	-175	-194	-120	-86	-28	-10	4	-24	-52	-50	-39	-34	-48	-76	-45	-6
7	32	61	97	131	102	56	26	-4	-38	-62	-30	0	51	38	20	6	26	48	58
74	70	61	47	23	33	61	71	82	61	51	43	28	11	-11	-74	-93	-21	15	57
35	-37	-100	-153	-200	-209	-170	-99	-48	-13	4	-49	-67	-101	-74	-53	-8	51	135	189
226	206	145	96	7	-62	-56	-48	-22	-13	3	-11	-23	-33	-26	-19	-12	-2	-16	-43
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137	120	98	77	56	43	37	10	-40	-62	-60	-57	-51	-51	-58	-66	-81	-75	-42	-20
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[illegible]

IIU298 37.001.0 HUMBOLDT BAY EARTHQUAKE FEB 6, 1937 - 2042 PST EPICENTER - 40 24 00N, 125 06 0  
 STATION NO. 102 CITY HALL: ALLUVIUM, FERNDALE, CALIFORNIA COMP S45W 40 34 12N, 124 15  
 INSTR PERIOD = 0.100 SEC DAMPING = 0.528 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACIN = 35.9 CM/SEC/SEC AT 5.38 SEC VELO = 2.7 CM/SEC AT 4.84 SEC DISP = 1.0 CM AT 35.00 SEC

INITIAL VELO = 0.17756 CM/SEC INITIAL DISP = 0.11303 CM

3819 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

66	26	7	-8	-24	-29	-38	-43	-47	-50	-55	-52	-47	-42	-35	-17	1	18	37	49
53	45	41	13	-18	-30	-42	-40	-44	-20	0	17	24	27	30	31	26	24	16	13
-15	-56	-74	-71	-43	-1	0	4	6	19	25	37	38	23	6	-5	-11	-21	-31	-34
-39	-42	-46	-38	-6	21	45	61	76	71	64	54	40	26	6	-15	-27	-34	-33	-21
-11	0	11	13	8	6	1	-2	-2	-1	-3	-7	-12	-17	-24	-24	-9	7	26	36
61	84	103	90	64	19	-9	-16	-34	-44	-64	-77	-81	-73	-49	-24	-20	-14	-13	-13
-14	-5	19	28	45	48	35	24	19	15	2	-11	-23	-28	-13	-2	19	6	-7	-14
-5	5	16	19	8	4	-3	4	10	3	-4	-6	-13	-8	1	14	27	34	34	32
28	34	43	46	29	12	-8	-28	-45	-55	-39	-26	-7	7	20	21	10	4	23	41
55	60	37	10	-3	-8	-14	-22	-42	-38	-37	-16	13	25	6	-14	-32	-27	-13	19
13	-22	-31	-34	-22	-20	-24	-34	-41	-50	-51	-45	-41	-5	35	81	122	142	128	105
76	56	38	18	-27	-63	-105	-134	-155	-145	-136	-81	-21	53	124	235	275	320	285	212
133	46	-32	-105	-189	-162	-83	-36	35	28	11	-60	-59	-28	9	-5	-91	-152	-201	-193
-199	-161	-168	-211	-178	-104	55	233	330	359	298	261	172	49	-64	-204	-260	-304	-292	-234
-62	97	246	236	147	-13	-174	-130	-29	110	149	187	203	207	216	183	142	72	-15	-89
-112	-123	-131	-85	-38	-3	-69	-116	-189	-203	-101	-40	43	90	36	2	-90	-113	-144	-177
-59	-25	37	94	110	75	63	48	38	29	25	21	5	-27	-54	-79	-90	-113	-144	-177
-162	-132	-102	-31	26	56	60	69	89	117	123	90	61	33	13	-13	-23	-3	18	42
79	79	58	42	10	-26	-47	-68	-39	-21	4	-22	-44	-62	-18	22	47	85	82	60
45	16	-20	-68	-109	-168	-149	-87	-22	9	42	55	67	54	41	17	-6	-8	-18	-27
-45	-33	-3	16	31	5	-10	-41	-32	12	38	65	34	23	-2	7	29	52	70	77
63	52	35	2	-31	-65	-98	-135	-146	-133	-129	-110	-91	-66	-41	-6	17	33	51	65
79	92	95	95	95	94	91	86	81	78	64	44	24	12	27	33	7	-14	-51	-77
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48	49	52	58	76	86	100	101	106	99	87	68	28	-14	-66	-88	-119	-117	-98	-87
-67	-70	-72	-76	-80	-85	-74	-61	-48	-34	-17	4	27	59	97	107	117	98	86	63
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-7	-8	-9	-9	-10	-10	-11	-11	-11	-11	-11	-11	-10	1	-1	-2	-4	-4	-5
-12	-13	-13	-14	-15	-13	-12	-11	-11	-10	-10	-10	-10	-9	-10	-11	-11	-12	-12
-7	-6	-7	-8	-9	-9	-8	-7	-7	-7	-7	-6	-5	-5	-4	-4	-3	-2	-1
0	1	3	2	2	3	4	7	9	12	13	14	15	15	15	14	13	11	10
-8	-11	-13	-15	-18	-20	-23	-25	-26	-27	-27	-27	-26	-23	-21	-18	-14	-10	-7
-4	-2	0	2	6	7	8	8	9	10	10	11	11	12	12	13	14	14	15
13	11	8	6	0	-3	-6	-9	-11	-12	-13	-13	-13	-11	-9	-9	-10	-11	-11
-11	-10	-8	-5	-1	2	5	7	9	12	14	16	20	23	25	26	28	30	29
26	25	23	21	16	13	10	7	6	4	2	0	-2	-4	-5	-7	-8	-9	-9
-9	-8	-5	-2	3	5	7	9	11	13	16	19	20	21	22	22	21	20	20
19	18	16	14	10	9	7	3	0	-3	-5	-7	-10	-14	-18	-23	-27	-31	-36
-42	-42	-42	-40	-35	-32	-30	-26	-22	-19	-16	-15	-12	-9	-8	-7	-7	-7	-7
-5	-3	-2	0	2	4	4	3	1	-1	-3	-6	-8	-9	-10	-11	-11	-10	-9
-9	-7	-6	-5	-1	0	1	3	4	6	8	12	15	18	20	22	24	26	28
30	30	31	31	31	30	29	27	24	21	17	15	12	8	4	2	0	-3	-5
-7	-9	-12	-14	-18	-19	-18	-18	-17	-16	-15	-13	-12	-10	-8	-3	0	-1	0
0	0	2	5	10	11	12	14	16	16	14	13	10	9	8	6	6	6	4
3	1	0	0	-2	-3	-4	-4	-5	-5	-5	-6	-6	-6	-6	-6	-6	-6	-6
-6	-7	-7	-8	-10	-10	-10	-10	-10	-9	-9	-9	-10	-9	-9	-8	-9	-10	-8
-5	-4	-3	-4	-7	-7	-6	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-2
-2	-2	-1	-1	0	1	1	1	1	3	5	5	4	4	3	3	1	-1	-3

[illegible]



IIU298 37.001.0 HUMBOLDT BAY EARTHQUAKE FEB 6, 1937 - 2042 PST EPICENTER - 40 24 00N, 125 06 0  
 STATION NO. 102 CITY HALL: ALLUVIUM, FERNDALE, CALIFORNIA COMP UP 40 34 12N, 124 15  
 INSTR PERIOD = 0.097 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACN = 13.9 CM/SEC/SEC AT 8.22 SEC VELO = -1.6 CM/SEC AT 6.36 SEC DISP = 1.0 CM AT 65.92 SEC

INITIAL VELO = -0.00566 CM/SEC INITIAL DISP = -0.06490 CM  
 3819 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-24	-32	-34	-18	-4	8	20	23	7	-2	-20	-15	-7	3	-12	-21	-12	-25	-27	-24
-17	-5	20	32	44	63	73	73	42	18	-3	-12	-11	-8	-11	-22	-30	-34	-25	-20
-11	-7	2	15	27	34	41	27	14	12	14	13	2	-7	-48	-57	-67	-55	-44	-25
-6	8	14	20	22	33	43	45	30	21	13	6	-2	-8	-15	-19	-25	-13	-1	16
5	-18	-39	-19	1	17	16	3	-13	-24	-29	-18	-11	-2	-4	19	33	41	40	37
32	27	22	5	-38	-64	-89	-69	-51	-17	-9	6	28	52	70	86	84	55	27	-5
-6	-13	-19	-36	-64	-77	-64	-48	-33	0	12	12	17	40	63	71	72	72	72	81
83	56	24	-9	-14	-24	-25	-28	-37	-51	-46	-30	-17	5	11	5	4	9	12	7
-5	-26	-44	-59	-63	-71	-66	-44	-24	-5	13	10	1	14	31	50	64	54	34	6
-25	-23	-19	-26	-47	-51	-38	-22	2	23	36	40	34	30	22	13	2	-15	-24	-12
-5	4	9	-1	-11	-17	-15	-14	-12	-25	-28	-14	-8	-2	-5	-9	-15	-22	-27	-15
-9	-5	4	14	31	43	44	30	17	2	-15	-2	18	41	51	28	10	-12	-4	-2
-21	-43	-68	-93	-79	-61	-41	-9	28	47	44	37	32	28	21	11	1	-14	-31	-38
-30	-26	-17	-6	7	23	42	59	77	96	105	74	47	17	-13	-62	-102	-136	-136	-115
-91	-47	0	50	47	42	57	77	82	98	91	75	56	19	-13	-9	-8	-1	-6	-21
-35	-30	-12	2	19	6	-34	-66	-66	-77	-88	-97	-109	-121	-134	-136	-93	-57	4	90
124	139	114	88	49	12	23	35	51	47	29	15	18	18	11	7	3	9	20	13
-16	-45	-69	-88	-86	-64	-35	1	16	43	42	24	6	3	17	26	42	45	32	20
10	1	-8	-17	-22	-14	-14	-28	-39	-52	-48	-43	-36	-28	-20	-18	-18	-13	15	28
40	43	50	59	75	75	56	39	24	6	1	4	4	-5	-14	-28	-44	-62	-66	-56
-53	-48	-46	-42	-38	-16	5	37	69	94	121	139	110	84	48	8	-32	-67	-52	-39
-28	-14	-19	-15	-6	-12	5	23	36	15	-2	-26	-43	-43	-44	-34	-18	-8	5	1
-7	-13	-19	-15	-6	3	16	31	63	68	70	48	27	11	4	-7	-13	-22	-28	-38
-53	-66	-71	-75	-59	-47	-21	14	43	66	73	82	88	73	53	32	3	-29	-51	-70
-75	-58	-46	-23	-4	6	17	19	12	6	-2	-10	-21	-28	-27	-27	-26	-11	6	18
32	47	55	63	65	48	34	18	3	-6	-10	-15	-12	-10	-9	-12	-14	-17	-20	-22
-24	-18	-11	-3	5	5	6	8	9	16	22	27	27	23	20	15	16	23	29	23
5	-17	-39	-46	-52	-38	-27	-10	4	20	22	14	8	1	0	-3	-4	-5	-6	-6
-6	-4	-1	3	13	-38	21	23	4	15	11	6	2	-3	3	11	19	12	2	-5
-13	-20	-24	-26	-30	-26	-15	-6	6	13	20	25	20	16	12	8	4	0	-3	-6
-9	-12	-16	-21	-23	-21	-20	-20	-19	-20	-16	-8	-2	5	2	-5	-9	-13	-18	-19
-11	-4	4	11	19	23	29	33	38	40	44	39	27	17	5	-5	-16	-18	-21	-23
-28	-34	-40	-46	-51	-56	-60	-50	-41	-27	-13	-1	10	22	36	45	45	46	45	45
41	36	32	24	8	-8	-26	-28	-29	-26	-17	-8	-3	2	8	11	5	0	-5	-2
1	1	-3	-7	-7	0	5	10	5	0	-6	-12	-12	-7	-5	-3	-1	0	2	5
13	22	29	34	20	7	-7	-21	-29	-36	-39	-37	-35	-33	-30	-28	-25	-21	-12	-2
15	27	37	36	29	13	-4	-18	-21	-9	20	35	44	53	48	37	27	16	6	-8
-22	-29	-37	-40	-33	-27	-17	-9	-4	1	5	8	11	15	19	23	26	28	20	11
3	-5	-10	-14	-17	-13	-8	-2	6	14	22	30	37	43	39	32	25	15	7	-1
-7	-11	-10	-10	-7	-3	-1	-5	-9	-13	-18	-23	-26	-30	-28	-24	-23	-21	-22	-22

-23	-15	-10	-8	-5	-1	5	-14	-23	-1	11	15	19	19	19	13	15	13	9	1	-6	-17	-18
-34	-40	-46	-40	-31	-23	-14	-8	-31	-1	-15	6	15	24	30	37	37	37	34	31	27	23	17
12	10	10	16	21	24	28	27	27	24	-15	-21	-27	-34	-34	-30	-32	-30	-25	-21	-17	-13	-9
-6	-13	-15	-16	-16	-12	-6	-5	-12	-12	-5	-10	-13	-16	-16	-5	-8	-5	-1	0	0	8	0
6	7	5	3	2	1	0	-1	-31	-31	-43	-44	-43	-30	-30	7	-15	7	15	15	28	26	20
12	7	-2	-12	-20	-24	-40	-43	-24	-24	-43	-44	-43	-30	-30	7	-15	7	15	15	17	16	16
16	16	18	20	22	24	23	18	18	14	7	14	7	0	-4	-8	-26	2	6	8	10	8	6
3	0	-6	-10	-10	-14	-21	-29	-29	-30	-30	-30	-30	-31	-31	-31	-26	-21	-13	-8	-4	1	6
12	19	23	27	32	33	29	26	26	21	16	11	11	7	7	2	-2	-6	-8	-11	-11	-9	-7
0	6	12	18	23	27	27	24	24	22	17	13	13	7	7	1	-5	-12	-16	-19	-21	-19	-19
-14	-9	-3	4	10	15	20	16	16	5	-2	-10	-10	-17	-17	-18	-19	-16	-13	-9	-12	-16	-20
-25	-29	-32	-32	-24	-16	-7	2	2	13	24	34	34	38	41	34	34	28	26	23	19	15	11
6	3	4	4	2	0	-1	-4	-4	-9	-13	-16	-16	-17	-18	-19	-18	-17	-17	-16	-14	-13	-10
-6	-2	1	5	8	11	14	18	15	15	9	4	4	1	4	6	5	9	11	13	8	2	-4
-10	-15	-19	-22	-27	-24	-17	-17	-17	-5	0	4	4	8	9	5	3	3	0	-3	-6	-9	-10
-13	-11	-4	-1	1	4	6	3	3	1	3	4	4	6	8	11	14	14	17	16	14	12	10
-8	7	5	-1	3	3	2	2	2	2	1	0	0	0	-1	-2	-2	-3	-4	-4	-4	-5	-5
-8	-11	-15	-12	-9	-7	-5	-5	-5	-5	-6	-4	-4	-1	2	5	8	8	11	15	13	9	5
1	-3	-8	-8	-3	1	4	7	7	7	3	0	0	-2	-2	1	2	5	8	11	14	14	11
9	6	3	0	-2	-2	0	0	0	0	-2	-3	-24	-26	-24	-10	-10	-11	-13	-10	-5	-3	0
4	6	3	0	-4	-9	-12	15	12	-19	-22	-24	-24	-26	-24	-22	-22	-22	-3	3	8	13	21
26	24	24	22	20	18	-12	18	12	10	7	5	5	3	1	-2	-2	-4	-6	-7	-11	-13	-15
-17	-18	-17	-16	-15	-14	-12	-11	-11	-10	-11	-12	-11	-13	-12	-12	-12	-12	-11	-7	-3	0	4
7	9	11	13	15	17	20	22	22	25	22	20	20	18	16	14	14	12	11	9	7	5	3
0	-3	-7	-9	-7	-7	-5	-3	-3	-2	-1	-2	-2	-6	-10	-13	-16	-16	-18	-18	-19	-20	-21
-23	-21	-14	-8	0	3	7	9	9	10	9	9	9	7	3	-1	-1	-1	-1	1	2	4	4
4	5	6	8	9	8	8	9	9	10	11	10	10	9	7	8	13	13	14	11	10	7	4
1	-2	-5	-7	-10	-13	-13	-11	-11	-13	-17	-20	-20	-22	-24	-26	-27	-27	-29	-29	-26	-24	-22
-20	-17	-15	-11	-6	-1	0	-2	-11	-13	-6	-8	-8	-10	-11	-13	-15	-15	-16	-17	-18	-17	-13
-7	-1	2	6	11	17	18	18	18	18	18	18	18	18	18	18	17	17	15	14	15	16	15
10	7	3	0	-2	-4	-6	-8	-8	-9	-10	-11	-11	-13	-12	-6	-4	-4	-4	-4	-6	-7	-7
-8	-7	-5	-3	0	2	4	5	5	6	8	9	9	10	12	15	17	17	16	15	14	14	14
14	14	13	11	9	7	4	4	4	6	7	11	11	13	12	10	8	8	7	7	6	7	8
10	13	11	9	7	0	-5	-5	-5	-6	-7	-7	-7	-7	-1	3	5	5	8	9	8	7	7
7	7	7	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	3	4	5	6	6
6	7	8	8	9	9	9	9	9	7	5	4	4	2	1	2	3	4	5	5	5	3	1
-2	-4	-7	-10	-12	-14	-16	-16	-16	-14	-13	-12	-13	-11	-10	-7	-4	-4	-2	1	4	7	10
14	16	17	19	18	15	12	9	9	6	3	2	2	0	1	2	2	4	6	7	8	9	11
11	9	7	5	2	0	-2	-2	-2	-6	-8	-10	-10	-11	-12	-12	-13	-13	-13	-12	-11	-10	-7
-4	0	4	8	11	15	17	13	13	9	5	3	3	0	-3	-4	-6	-6	-8	-10	-13	-15	-14
-11	-11	-12	-13	-15	-16	-16	-17	-17	-17	-17	-13	-15	-12	-8	-5	-3	-3	12	16	19	23	23
17	13	8	4	0	-1	-3	-4	-4	-8	-12	-15	-15	-12	-8	-5	-3	-3	0	2	5	7	5
3	2	2	2	5	9	11	14	13	13	12	10	10	9	8	7	5	5	2	-1	-5	-9	-12
-12	-14	-13	-10	-7	-4	-2	-2	-6	-6	-6	-6	-6	-6	-6	-5	-5	-5	-5	-6	-6	-6	-6
-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
4	3	2	2	1	1	0	-1	-1	-1	-2	-3	-3	-4	-4	-5	-5	-7	-8	-10	-11	-13	-13
-14	-14	-14	-14	-14	-13	-10	-10	-13	-12	-14	-14	-14	-13	-12	-10	-8	-8	-5	-3	0	3	5
6	7	8	8	7	7	7	7	7	8	7	6	6	5	5	7	8	8	6	3	1	1	0
0	1	1	0	-2	-3	-3	-3	-3	-1	0	-1	0	4	7	10	13	13	15	18	21	19	15



[illegible]

11U0299 41.002.0 STATION NO. 283 INSTR PERIOD = 0.100 SEC DAMPING = 0.592  
 SANTA BARBARA EARTHQUAKE JUN 30, 1941 - 2351 PST  
 SANTA BARBARA COURT HOUSE, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 34 20 00N, 119 35 0  
 COMP N45E 34 25 12N, 119 12

PEAK VALS ACCLN = 233.8 CM/SEC/SEC AT 0.24 SEC VELO = 21.8 CM/SEC AT 0.30 SEC DISP = -3.7 CM AT 0.18 SEC

INITIAL VELO = -5.68851 CM/SEC INITIAL DISP = -2.35614 CM

3092 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

90	-565	-875	-812	-119	137	761	1268	1730	1971	2277	2244	2338	1871	1520	-119	-543	-1094	-1609	-1673
-1782	-1813	-1548	-947	-384	15	878	1235	803	-747	-687	-307	-39	320	883	1277	1558	446	-287	-779
-1022	-892	-654	-406	-180	122	360	670	827	438	136	-236	-351	-497	-577	-481	-321	-226	-155	27
154	-15	-195	-256	-346	-308	-196	-118	-62	-70	-157	-315	-568	-396	-203	46	394	773	1112	1241
1455	1524	1257	-196	-770	-1222	-1830	-1751	-816	-456	110	239	335	191	226	34	-265	-462	-452	-366
-163	67	302	387	402	444	472	597	625	637	495	335	131	-134	-418	-542	-630	-535	-338	-86
98	182	139	-35	-95	-103	-15	52	42	29	26	74	115	88	30	-9	-35	-100	-150	-152
-157	-283	-472	-574	-639	-492	-235	0	289	484	701	839	693	314	-85	-316	-389	-405	-243	-69
140	283	496	592	444	289	146	45	-53	-114	-103	-33	-15	-163	-302	-380	-287	-161	-90	-149
-250	-285	-266	-235	-214	-248	-245	-218	-56	109	268	374	379	330	196	119	96	84	73	67
60	40	-17	-70	-103	-113	-110	-79	-3	75	110	142	94	0	-32	-32	-17	-55	-92	-93
-50	14	54	80	52	3	10	51	118	156	175	162	168	158	46	-44	-182	-257	-239	-188
-113	-43	21	85	136	99	-6	-121	-207	-277	-284	-240	-166	-95	-14	62	112	184	224	234
154	28	-44	-116	-142	-157	-136	-102	-66	-41	-39	-53	-55	-50	-41	-27	-4	21	51	94
106	64	-1	-54	-83	-79	-26	60	127	163	178	139	119	114	100	89	80	70	53	24
-2	19	39	73	64	1	-63	-85	-104	-123	-141	-144	-109	-70	-50	-71	-129	-178	-211	-232
-214	-189	-135	-60	30	107	186	245	263	250	224	175	113	41	-3	-25	-50	-45	-14	40
68	52	27	5	-16	-21	6	29	50	45	12	-43	-79	-71	-41	-3	59	88	117	110
67	-6	-88	-145	-188	-196	-174	-133	-84	-20	19	39	-11	-57	-102	-108	-68	-31	-14	-1
11	25	62	98	156	200	226	232	221	215	207	190	158	105	47	-4	-46	-95	-156	-202
-226	-215	-184	-164	-133	-108	-84	-44	-7	51	122	183	234	246	209	148	76	19	-23	-50
-56	-44	-29	-32	-44	-56	-77	-98	-110	-123	-105	-48	-1	33	40	22	21	32	77	124
159	166	131	69	15	-41	-80	-100	-81	-34	15	59	84	59	33	3	-32	-68	-104	-130
-148	-156	-153	-137	-117	-88	-55	-24	14	45	75	94	105	105	101	95	95	101	118	138
162	161	110	44	-14	-25	-31	-29	-27	-25	-28	-32	-38	-45	-51	-56	-54	-48	-43	-47
-64	-83	-101	-117	-122	-115	-96	-72	-52	-19	6	31	57	76	89	90	80	68	54	43
31	19	8	-4	-11	-7	5	19	26	27	27	27	35	45	54	65	80	94	102	95
73	56	44	47	50	55	57	58	58	54	47	34	13	-12	-27	-40	-41	-37	-35	-37
-48	-58	-65	-78	-78	-68	-46	-24	-3	6	-8	-32	-50	-67	-82	-88	-93	-85	-71	-60
-49	-41	-27	-8	13	36	56	74	86	94	102	107	111	106	98	86	76	68	61	55
49	43	35	29	24	18	14	9	11	12	16	22	28	26	16	9	-2	-8	-13	-19
-25	-34	-54	-65	-80	-95	-105	-113	-114	-104	-91	-76	-61	-47	-33	-19	-2	14	53	81
102	90	69	59	59	50	43	26	14	-1	-18	-30	-36	-39	-44	-48	-53	-60	-66	-69
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IIU299 41.002.0  
STATION NO. 283  
INSTR PERIOD = 0.100 SEC DAMPING = 0.552  
SANTA BARBARA EARTHQUAKE JUN 30, 1941 - 2351 PST  
SANTA BARBARA COURT HOUSE, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 34 20 00N, 119 35 0  
COMP S45E 34 25 12N, 119 12

PEAK VALS ACCLN = 172.3 CM/SEC/SEC AT 0.34 SEC VELO = 21.7 CM/SEC AT 0.48 SEC DISP = -3.9 CM AT 0.32 SEC

INITIAL VELO = -2.75970 CM/SEC INITIAL DISP = -1.36256 CM

3091 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-755	-766	-669	-578	-445	-300	-263	-307	-313	-303	1	330	606	921	1400	1537	1667	1723	1694	1633
1602	1369	1254	769	93	-897	-1465	-1687	-1713	-1281	-1170	-874	-694	-488	-441	-402	-321	-37	85	270
339	277	295	350	259	23	-132	-205	-143	-82	130	294	543	679	822	918	991	755	79	-429
-1002	-1411	-1389	-1310	-1166	-986	-780	-591	-360	-161	47	211	384	581	656	614	434	195	-80	-372
-400	-345	-62	136	365	629	868	856	707	543	260	-126	-425	-658	-867	-689	-509	-273	-2	75
187	194	171	187	248	307	209	74	177	195	298	126	15	-165	-146	-45	-4	108	172	83
-81	-118	-151	-221	-320	-389	-251	-105	-67	-104	-208	-287	-201	-72	68	144	116	16	18	118
162	267	284	171	62	32	11	-33	-155	-272	-273	-252	-242	-235	-153	-41	91	149	127	59
-88	-43	-20	49	83	148	228	308	367	431	389	305	161	2	-229	-384	-466	-511	-449	-361
-313	-293	-275	-217	-82	15	173	287	312	302	288	292	298	299	227	170	166	163	163	97
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45	14	-64	-169	-283	-350	-385	-377	-330	-258	-171	-29	63	212	298	371	406	420	429	430
414	390	355	322	283	229	134	-29	-118	-167	-161	-132	-107	-99	-111	-126	-129	-91	-48	-2
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193	179	147	91	20	-89	-175	-227	-274	-292	-293	-278	-252	-224	-203	-175	-154	-127	-95	-85
-82	-84	-87	-74	-56	-5	67	104	136	118	117	111	124	144	191	223	264	295	298	280
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IIU299 41.002.0 STATION NO. 283  
 INSTR PERIOD = 0.099 SEC DAMPING = 0.592  
 SANTA BARBARA EARTHQUAKE JUN 30, 1941 - 2351 PST  
 SANTA BARBARA COURT HOUSE, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 34 20 00N, 119 35 0  
 COMP UP 34 25 12N, 119 12

PEAK VALS ACCLN = 58.5 CM/SEC/SEC AT 1.86 SEC VELO = -3.6 CM/SEC AT 0.58 SEC DISP = -2.6 CM AT 1.84 SEC

INITIAL VELO = -1.71710 CM/SEC INITIAL DISP = 0.26208 CM  
 3095 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

97	103	70	73	161	30	-250	-396	-246	-151	16	184	208	125	140	132	82	8	-36	34
104	-102	-281	-280	33	35	-386	-278	-167	38	180	285	252	211	-292	-75	106	266	304	331
165	-241	-468	-377	-219	38	64	-52	-67	134	151	-23	-28	357	381	-18	-338	-362	419	368
272	200	63	-53	-101	-91	-25	-30	-3	-120	-22	47	-28	-280	-313	-233	-56	29	52	254
279	95	-87	-71	45	87	11	19	-319	-155	166	340	442	685	250	-526	-225	-119	231	302
243	75	53	-28	-27	-151	-23	53	138	202	259	102	-198	-306	-230	-46	26	90	58	-74
-200	-139	41	130	72	-55	2	115	180	140	-46	-155	-64	8	7	-176	-239	-97	132	227
234	165	22	-43	-15	13	46	63	118	49	-148	-183	-156	-124	-112	-47	31	72	-38	-131
70	83	79	24	58	145	48	-172	-252	-70	65	167	126	40	-34	57	150	82	-138	-219
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-74	-94	-116	-134	-138	-107	-62	-41	-25	-41	-63	-70	-70	-41	-3	47	98	159	201	223
220	171	139	152	154	134	50	-3	-52	-76	-61	-35	-12	-2	-11	-33	-59	-99	-161	-215
-182	-169	-164	-159	-164	-151	-105	-8	77	131	167	161	128	100	91	76	51	-21	-105	-124
-106	-102	-99	-87	-69	-54	-45	-37	-27	-16	1	8	28	56	93	109	126	152	198	210
202	184	158	123	96	63	29	-8	-50	-91	-126	-142	-132	-96	-60	-43	-23	-13	-10	-23
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-7	-10	-7	-8	-7	-4	-9	-4	-10	-6	-3	-7	-7	-1	-6	-5	-5	-2	-3	-6	-6	-5	-5	-5
0	-3	-3	-1	-1	-1	-1	-1	-1	-2	-1	0	0	0	0	0	0	0	-1	-1	-1	0	0	0
2	0	0	0	0	1	2	1	1	0	0	2	0	0	0	0	1	4	4	4	3	3	3	2
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IIU300 41.003.0  
STATION NO. 102  
INSTR PERIOD = 0.099 SEC  
NORTHERN CALIFORNIA EARTHQUAKE OCT 3, 1941 - 0814 PST  
CITY HALL, FERNDALE, CALIFORNIA  
DAMPING = 0.592  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 40 42 00N, 125 00 0  
COMP N45W  
40 34 12N, 124 15  
0.070 AND 25 CYC/SEC.

PEAK VALS  
ACLN = -118.6 CM/SEC/SEC AT 8.62 SEC  
VELO = 6.9 CM/SEC AT 9.26 SEC  
DISP = -3.0 CM AT 51.06 SEC

INITIAL VELO = 0.23662 CM/SEC  
INITIAL DISP = -0.40146 CM

3397 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-37	-32	26	55	73	82	74	24	-34	-83	-63	-12	9	16	-6	-10	3	-25	-79	-74
-73	-34	13	57	69	77	45	2	-58	-69	-69	-29	-21	-7	23	127	189	153	85	93
98	103	76	14	-21	-43	-98	-127	-114	-61	-34	-23	-91	-145	-139	-127	-50	14	34	47
39	-44	-47	0	29	34	47	97	133	127	44	-28	-48	-74	-92	-105	-51	-15	29	27
-10	-57	-93	-73	-45	8	61	72	87	82	77	68	57	46	30	-19	-43	-51	-56	-43
-13	26	18	12	27	51	33	12	7	12	11	14	12	15	13	2	-28	-29	-15	18
52	74	91	98	98	80	30	-19	-74	-117	-130	-126	-107	-89	-86	-83	-84	-71	-33	1
13	17	19	30	49	61	75	59	12	-11	-24	-14	-2	13	21	27	29	24	8	-15
-48	-73	-78	-65	-39	14	49	53	44	-2	-41	-73	-79	-59	-32	7	37	31	-10	-50
-50	-59	-61	-59	-26	7	30	42	46	39	23	2	-17	-14	2	47	83	91	76	21
-20	-29	-33	-31	-24	-12	2	18	32	49	71	86	24	-52	-87	-104	-86	-36	-3	12
26	27	23	25	27	28	11	-7	15	28	57	67	34	-3	-57	-85	-87	-60	-48	-48
-37	-24	-19	-13	-36	-85	-118	-121	-111	-84	-62	-40	-23	7	51	95	118	97	61	47
56	74	86	89	86	66	47	26	5	-6	-31	-33	-30	-19	-4	21	31	36	-21	-114
-135	-135	-108	-75	-38	-18	-57	-105	-81	-53	-30	-4	27	60	82	91	57	25	44	55
68	28	21	45	72	90	105	114	131	156	169	168	93	-8	-16	11	45	25	-137	-238
-259	-166	26	246	391	419	319	224	149	74	8	-118	-263	-368	-473	-543	-627	-671	-648	-587
-464	-269	-87	47	193	321	430	530	491	433	371	298	300	331	358	322	226	172	134	61
0	-49	-67	-104	-156	-262	-324	-406	-295	-130	16	154	140	47	-107	-227	-330	-323	-333	-317
-326	-355	-383	-294	-171	187	400	564	664	656	599	536	442	172	-134	-230	-362	-380	-392	-375
-379	-380	-343	-164	-36	-20	-20	9	45	88	111	117	90	86	86	79	47	10	-9	4
110	271	425	534	514	473	455	348	-86	-562	-984	-1186	-946	-468	-15	63	-89	-160	-213	114
331	474	418	417	453	528	368	153	-98	-233	-193	-25	146	361	348	385	291	238	239	315
406	464	229	-61	-409	-626	-690	-703	-486	-257	17	73	73	-5	-59	-110	-165	-221	-235	-168
-66	-20	100	215	304	320	341	312	260	168	99	98	135	148	143	47	-102	-198	-271	-312
-338	-374	-350	-287	-246	-216	-123	-47	51	113	121	57	10	24	71	150	192	189	117	66
60	79	100	119	71	-80	-172	-251	-179	-116	30	182	305	352	354	276	132	36	0	-5
3	6	-11	-123	-222	-269	-267	-189	-135	-132	-113	-103	-101	-113	-103	-72	-1	31	58	6
-76	-162	-219	-242	-230	-192	-107	-3	113	202	198	180	150	124	60	-6	-37	-9	61	186
297	330	320	287	235	219	185	134	64	-20	-124	-177	-229	-262	-297	-299	-246	-187	-171	-158
-168	-179	-168	-131	-44	54	84	99	45	23	10	-7	-28	-51	-48	-9	41	92	139	186
234	270	301	305	220	113	27	4	13	17	8	-31	-50	-63	-74	-85	-121	-163	-170	-177
-162	-143	-94	-47	-31	-10	16	42	76	76	64	62	44	13	-31	-75	-108	-122	-119	-96
-80	-68	-60	-52	-27	11	64	118	145	101	38	-18	-18	-16	13	42	71	92	105	111
112	108	110	107	94	55	7	-60	-98	-121	-128	-134	-136	-139	-134	-111	-46	46	110	132
123	93	65	36	18	9	11	0	-35	-44	-28	9	37	47	30	-26	-65	-83	-80	-72
-71	-93	-112	-115	-81	-41	-2	23	43	44	55	77	112	139	139	-26	80	65	96	117
122	108	66	31	-5	-9	-6	5	6	-34	-80	-113	-148	-162	-154	-128	-116	-98	-69	-27
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-63	-62	-71	-76	-66	-39	-1	34	62	95	140	183	220	246	254	257	213	150	63	-10

-60	-104	-122	-148	-165	-178	-183	-184	-182	-171	-162	-154	-158	-160	-156	-141	-114	-74	-24	36
96	135	140	139	137	143	160	175	182	183	155	111	58	5	-42	-102	-171	-204	-202	-169
-120	-103	-80	-82	-98	-111	-115	-114	-88	-18	76	131	184	206	231	237	248	241	215	189
166	138	109	79	24	-24	-73	-128	-171	-206	-232	-223	-184	-147	-112	-79	-48	-13	20	31
37	43	48	62	90	120	146	177	200	207	185	104	33	-7	-57	-102	-131	-172	-196	-208
-198	-187	-166	-147	-123	-98	-76	-89	-6	22	48	72	97	116	129	140	143	131	123	111
101	87	71	43	7	-31	-60	-88	-106	-120	-125	-118	-115	-113	-111	-101	-77	-58	-43	-35
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61	66	74	82	84	87	85	82	74	58	24	-1	-31	-51	-63	-71	-75	-76	-76	-73
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IIU300 41.003.0  
STATION NO. 102  
INSTR PERIOD = 0.099 SEC DAMPING = 0.574  
NORTHERN CALIFORNIA EARTHQUAKE OCT 3, 1941 - 0814 PST  
CITY HALL, FERNDALE, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 40 42 00N, 125 00 0  
COMP S45W 40 34 12N, 124 15  
DISP = 2.5 CM AT 8.94 SEC

PEAK VALS ACIN = 113.6 CM/SEC/SEC AT 8.68 SEC VELO = -5.7 CM/SEC AT 8.58 SEC DISP = 2.5 CM AT 8.94 SEC

INITIAL VELO = 0.43588 CM/SEC INITIAL DISP = 0.01412 CM

3395 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-140	-59	-30	-14	-4	-8	-20	-57	-89	-80	-44	17	75	83	52	21	-25	-64	-106	-136
-126	-49	45	135	135	60	-10	4	61	101	72	54	8	9	-5	3	-18	-60	-84	-99
-113	-82	-6	53	97	95	19	-46	-35	9	-1	-30	-33	10	31	47	28	-17	-41	-48
-48	-43	-37	-21	-1	23	16	-18	-77	-130	-96	-33	2	42	88	134	148	148	124	102
85	75	68	59	40	15	1	-14	-43	-83	-101	-95	-80	-65	-51	-37	-21	4	20	-3
-23	-44	-58	-50	-10	20	36	72	102	112	122	104	74	45	18	8	-5	-24	-50	-55
-50	-41	-57	-62	-73	-76	-69	-51	-24	21	75	134	151	77	11	-24	-32	-25	-31	-31
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17	36	62	78	90	102	103	86	53	31	32	39	52	32	-22	-95	-159	-143	-107	-83
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166	155	104	72	72	73	59	19	-9	-29	-40	-56	-63	-70	-64	-63	-66	-69	-46	5
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236	351	388	383	327	252	206	138	-21	-197	-374	-465	-450	-252	17	405	599	600	526	398
266	-17	-299	-545	-649	-657	-631	-556	-440	-255	46	393	495	558	394	254	219	236	207	137
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-228	32	113	210	255	264	170	44	-133	-197	-109	16	164	235	266	271	274	257	218	161
84	-25	-194	-315	-312	-300	-343	-439	-441	-365	-242	-40	201	327	381	369	315	173	94	93
143	168	160	146	150	132	108	-149	-254	-284	-221	-146	-139	-190	-223	-178	53	271	413	383
258	-30	-263	-488	-623	-751	-804	-719	-518	-162	241	571	976	1037	1136	657	-51	-206	-118	213
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285	242	143	-9	-186	-234	-281	-240	-163	-95	-49	-6	46	41	-7	-66	-116	-90	-11	54
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41	42	43	43	43	44	44	44	43	42	38	32	27	21	15	8	2	-5	-10	-15	-20	
-29	-32	-37	-37	-37	-40	-42	-42	-43	-41	-39	-34	-29	-24	-17	-11	-6	-1	3	4	6	
6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	6	
-17	-16	-14	-14	-14	-11	-9	-7	-3	0	3	7	9	8	7	6	6	-13	-15	-16	-18	
0	-3	-6	-6	-6	-9	-12	-15	-17	-19	-20	-20	-21	-20	-20	-19	-16	-14	-10	-6	-2	
10	15	20	20	20	25	29	34	39	43	46	49	50	49	46	42	38	33	29	24	19	
10	7	4	4	4	2	-1	-1	-1	-1	-1	3	6	10	12	14	16	18	18	19	19	
18	15	12	12	12	9	7	5	3	0	-2	-5	-8	-10	-12	-13	-12	-10	-8	-4	-1	

5	8	10	13	15	17	18	20	21	21	21	21	19	15	12	8	5	2	-1	-4
-6	-7	-9	-9	-9	-9	-7	-8	-7	-7	-8	-8	-5	-4	-4	-3	-3	-4	-5	-6
-8	-6	-6	-7	-6	-5	-7	-8	-8	-4	-8	-4	-8	-8	-8	-7	-8	-8	-8	-8
-16	-17	-18	-17	-16	-11	-11	-9	-7	-4	-4	-3	-2	-4	-6	-9	-12	-11	-13	-15
-20	-21	-22	-23	-24	-25	-25	-25	-26	-26	-26	-26	-24	-23	-22	-21	-19	-17	-16	-18
-12	-10	-7	-5	-2	0	2	4	6	8	10	11	13	12	12	12	11	10	9	-8
8	7	7	8	8	8	9	9	8	7	6	3	1	-2	-4	-6	-7	-9	-11	-12
-12	-12	-11	-10	-8	-7	-5	-3	-1	0	2	3	4	5	5	4	4	4	5	5
5	5	6	8	9	12	14	16	19	21	22	23	24	24	24	24	24	23	22	20
17	14	10	6	3	-2	-7	-12	-15	-18	-21	-22	-24	-25	-25	-25	-25	-24	-23	-22
-21	-20	-18	-15	-13	-9	-4	0	2	5	7	8	10	9	9	8	8	7	4	3
3	2	3	3	3	3	2	0	-2	-4	-7	-10	-12	-13	-14	-17	-18	-19	-21	-23
-26	-28	-30	-32	-34	-37	-38	-39	-37	-36	-33	-28	-22	-14	-7	0	7	13	19	22
25	28	29	30	31	31	31	31	31	31	31	30	29	28	27	25	18	14	11	8
5	2	0	-1	-3	-2	-3	-4	-3	-2	-1	0	0	0	0	0	0	0	0	0
0	0	0	-1	-1	-2	-3	-3	-3	-3	-3	-3	-4	-4	-5	-6	-7	-9	-12	-12
-13	-9	-6	-5	-3	-2	-2	-1	1	5	8	9	10	12	14	14	15	16	16	16
16	16	13	11	6	1	-2	-7	-10	-14	-17	-19	-21	-22	-24	-26	-27	-28	-29	-27
-27	-24	-21	-17	-14	-10	-6	-2	3	6	8	10	12	12	19	25	27	31	33	34
35	34	33	30	25	22	16	11	6	3	0	-2	-5	-6	-6	-7	-8	-8	-8	-7
-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-5	-4	-4	-4	-3	-3	-3
-3	-3	-3	-2	-2	-1	0	0	2	4	6	8	9	10	12	14	17	19	22	25
27	27	26	25	24	22	21	19	18	16	15	14	13	12	11	10	10	10	10	10
10	10	10	11	11	11	11	11	12	11	11	10	10	9	8	7	7	6	6	5
4	4	3	2	2	1	0	-1	-1	-2	-3	-4	-4	-5	-6	-7	-7	-7	-7	-7
-7	-7	-7	-7	-7	-6	-6	-6	-5	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3
-3	-3	-3	-3	-3	-3	-2	-2	-1	0	0	0	0	-1	-1	-2	-3	-3	-4	-5
-6	-6	-7	-8	-8	-8	-10	-11	-12	-14	-15	-15	-15	-15	-15	-15	-15	-15	-14	-13
-12	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-1	0	2	2	-1	-1	-1	-4	-5



IIU300 41.003.0  
STATION NO. 102  
INSTR PERIOD = 0.098 SEC DAMPING = 0.574  
NORTHERN CALIFORNIA EARTHQUAKE OCT 3, 1941 - 0814 PST  
CITY HALL, FERNDALE, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 40 42 00N, 125 00 0  
COMP UP 40 34 12N, 124 15

PEAK VALS ACLN = -37.5 CM/SEC/SEC AT 9.56 SEC VELO = -2.6 CM/SEC AT 8.56 SEC DISP = -1.1 CM AT 64.22 SEC

INITIAL VELO = 0.08264 CM/SEC INITIAL DISP = 0.05085 CM

3398 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-11	73	80	70	63	45	11	-21	-54	-84	-95	-31	21	-27	-47	-67	-36	-43	-64	-47
-2	44	110	113	69	32	8	-8	-24	-27	-5	31	60	53	3	-39	-66	-83	-58	-20
-4	7	-23	-40	-57	-70	-84	-70	-12	13	55	70	82	88	86	72	57	39	26	-1
-23	-58	-88	-89	-104	-87	-50	-16	-19	-22	-27	-22	21	75	118	104	102	94	71	30
-5	-49	-81	-99	-85	-63	-62	-46	-23	18	36	40	42	43	43	57	86	75	47	-24
-55	-72	-59	-3	11	2	6	0	18	14	-1	-6	-10	26	52	50	33	15	-1	-20
-59	-62	-63	-68	-71	-71	-22	4	21	9	2	5	17	13	-5	-41	-55	-72	-48	32
74	102	108	100	100	79	88	84	72	69	42	-5	-31	-51	-68	-81	-86	-93	-48	-9
21	48	57	39	3	-8	-13	12	6	-26	-68	-93	-130	-144	-124	-106	-87	-81	-46	-18
31	82	110	141	106	89	75	49	9	-5	-13	-11	-25	0	51	88	89	64	38	8
-2	32	35	29	6	-8	-39	-48	-48	-40	-48	-50	-51	-15	-9	-35	-64	-74	-52	-13
16	21	13	6	0	-5	6	16	27	27	14	-2	-39	-68	-35	14	17	32	42	56
47	24	2	-26	-36	-36	-23	-14	0	11	4	-13	-30	-26	14	51	40	19	13	33
46	37	1	-21	-78	-111	-101	-69	-67	-85	-90	-63	-24	8	47	65	68	73	88	110
118	110	85	51	7	-20	-32	-33	-24	-48	-55	-69	-47	-11	22	59	69	49	25	35
36	7	-18	-20	-7	3	-6	-2	5	27	29	24	9	1	2	-9	-13	-11	11	21
15	4	-15	-38	-43	-41	-28	-21	-22	-32	-40	-42	-3	17	29	38	40	38	34	24
5	-16	-22	-25	-18	-6	-16	-47	-76	-52	23	120	173	215	209	171	52	-74	-206	-263
-252	-227	-201	-176	-138	-97	-18	72	178	249	262	243	231	225	215	186	101	14	-92	-166
-189	-177	-182	-208	-222	-180	-112	-86	-45	-13	63	102	134	114	85	78	67	83	107	92
87	86	87	86	76	55	-7	-65	-142	-191	-212	-217	-167	-65	31	72	116	98	52	16
-23	-104	-174	-244	-294	-308	-201	-126	-34	73	-190	268	337	368	339	289	191	71	-75	-86
-105	-112	-124	-104	-56	-24	6	27	-2	-1	-16	28	65	61	-4	-65	-117	-166	-187	-205
-219	-218	-171	-58	87	184	283	301	300	289	281	235	157	52	-73	-207	-318	-363	-375	-343
-254	-154	-56	1	44	90	107	93	88	66	25	-9	-27	24	109	151	235	270	273	237
203	112	23	-26	-70	-79	-93	-128	-183	-198	-214	-211	-207	-183	-142	-86	-30	20	41	62
54	54	47	51	58	66	72	78	80	82	74	61	51	40	28	15	6	0	-8	-27
-33	-45	-51	-55	-50	-56	-62	-91	-115	-124	-123	-110	-82	-25	37	96	160	208	235	229
210	183	131	79	33	-18	-49	-85	-115	-149	-190	-209	-217	-200	-140	-95	-22	41	149	173
164	129	81	2	-32	-79	-93	-94	-53	-15	31	68	87	88	90	79	72	59	31	-15
-56	-79	-92	-99	-101	-92	-75	-44	-2	26	48	82	103	125	122	104	64	23	-1	-19
-22	-21	-16	7	22	35	42	39	35	31	28	25	22	22	18	1	-23	-36	-43	-50
-53	-56	-53	-51	-51	-49	-33	-26	-23	-16	-5	14	31	42	55	62	61	49	37	15
-9	-22	-31	-38	-46	-53	-56	-47	-29	-13	10	27	35	40	44	48	45	39	32	26
21	18	14	11	8	0	-38	-68	-100	-108	-117	-112	-103	-91	-82	-69	-57	-42	-29	-22
-9	12	29	46	55	68	65	62	61	64	67	67	60	54	52	52	50	45	32	-4
-34	-51	-67	-79	-86	-82	-77	-68	-56	-42	-31	-21	-13	-7	3	13	35	55	76	84
92	99	98	83	83	71	65	50	40	21	7	0	-8	-13	-19	-25	-36	-48	-60	-69
-73	-70	-62	-55	-45	-34	-32	-33	-35	-16	2	23	53	71	85	82	78	64	46	24
4	-19	-32	-44	-54	-62	-70	-69	-64	-55	-44	-36	-34	-33	-31	-29	-27	-22	-16	-1

21	43	64	90	106	109	98	73	58	50	46	39	28	-2	-25	-40	-57	-71	-90	-102
-108	-114	-107	-91	-80	-56	-35	-18	9	28	41	59	63	53	45	35	34	36	40	42
43	41	35	30	25	21	6	-3	-11	-17	-19	-22	-17	-7	2	0	8	-8	-13	-16
-25	-38	-52	-58	-62	-57	-37	-18	-9	-1	0	-1	-3	-1	1	4	77	80	75	67
7	5	-1	-8	-17	-31	-36	-41	-39	-25	-3	15	30	45	59	71	55	59	59	53
57	35	14	-3	-17	-40	-52	-60	-63	-65	-62	-47	-24	-5	13	37	14	27	38	48
44	30	17	4	-11	-26	-37	-46	-52	-50	-47	-44	-38	-28	-17	4	43	42	-38	-34
56	61	60	53	42	30	19	13	-3	-17	-32	-37	-39	-42	-41	-40	-43	-42	-38	-34
-27	-24	-13	-4	-1	2	3	5	7	12	26	37	45	49	51	52	53	52	49	44
39	31	18	11	2	-9	-19	-26	-30	-29	-18	-4	1	10	13	16	13	11	8	3
0	-4	-10	-20	-31	-37	-44	-44	-35	-20	-9	3	9	14	10	2	-6	-15	-17	-20
-19	-18	-18	-12	-17	-15	-15	-15	-14	-13	-12	-3	10	17	30	39	47	56	58	56
48	33	11	-12	-22	-29	-34	-35	-35	-36	-39	-39	-40	-39	-32	-19	-8	3	13	21
23	25	25	25	24	24	23	22	21	20	18	15	13	10	4	-1	-8	-15	-20	-24
-25	-25	-22	-18	-13	-6	1	5	8	8	9	12	14	16	27	34	39	41	37	31
22	13	2	-6	-11	-15	-20	-26	-32	-40	-49	-55	-57	-58	-55	-54	-46	-32	-20	-10
-5	-1	6	15	23	33	46	56	56	53	49	40	31	23	15	5	-6	-8	-7	-7
-11	-16	-22	-28	-31	-32	-30	-26	-17	-9	-5	-5	-4	2	6	10	14	14	16	18
20	22	24	25	26	25	23	21	19	18	17	21	27	30	29	19	8	-3	-12	-20
-26	-31	-30	-25	-18	-12	-10	-9	-6	-5	-4	-5	-7	-9	-12	-13	-13	-10	-5	1
7	10	12	10	8	9	10	11	13	15	16	17	15	12	9	5	-2	-2	3	6
9	7	8	10	11	10	10	8	6	6	7	9	12	19	24	21	19	17	14	14
14	15	11	1	-6	-13	-18	-21	-25	-27	-22	-17	-7	1	7	9	9	6	2	-2
-8	-13	-19	-25	-31	-32	-32	-31	-27	-22	-17	-12	-9	-4	2	7	12	19	21	17
15	12	9	8	7	6	4	4	3	5	6	6	7	7	6	5	3	2	3	7
11	13	15	17	20	22	22	20	17	12	8	7	5	4	4	2	-1	-3	-6	-7
-8	-10	-12	-14	-20	-25	-30	-33	-37	-43	-46	-46	-41	-34	-25	-19	-11	-7	-3	-1
5	10	15	24	33	39	40	38	34	24	14	4	-6	-14	-21	-29	-36	-45	-50	-54
-57	-56	-52	-45	-33	-24	-15	-5	4	14	22	29	34	38	34	30	17	17	10	5
0	-4	-7	-7	-8	-8	-8	-8	-7	-6	-5	-6	-7	-8	-9	-10	-11	-11	-10	-9
-6	-3	1	4	7	11	13	15	14	13	11	9	7	5	2	-1	-4	-7	-10	-11
-13	-14	-15	-12	-10	-7	-5	-4	-2	0	2	4	1	0	-2	-2	1	2	1	-1
-2	-2	-1	-1	-1	-3	-3	-4	-4	-5	-3	0	11	15	20	21	21	20	17	15
12	9	6	5	6	7	8	7	5	1	-7	-15	-23	-30	-34	-38	-41	-43	-43	-43
-39	-34	-29	-23	-14	-5	7	18	34	43	49	53	51	48	46	43	40	37	33	29
25	22	16	8	-1	-7	-11	-13	-15	-15	-12	-10	-7	-4	-3	-4	-3	-3	-2	0
1	1	0	-1	-1	1	2	4	7	9	10	12	14	14	14	12	11	11	10	9
7	5	3	0	-2	-4	-7	-9	-11	-12	-12	-10	-8	-5	-1	5	9	14	20	25
23	21	18	15	14	10	4	2	-3	-6	-11	-12	-10	-3	3	8	4	4	1	-2
-6	-13	-16	-18	-17	-16	-17	-17	-16	-16	-15	-13	-12	-7	-3	3	5	3	-6	-10
-14	-18	-20	-22	-23	-25	-24	-22	-21	-19	-16	-13	-12	-14	-14	-15	-14	-14	-15	-16
-18	-21	-24	-23	-20	-16	-12	-7	-1	13	22	31	37	42	44	48	46	42	38	32
23	16	8	2	-4	-10	-13	-14	-15	-13	-12	-11	-10	-7	-7	-12	-17	-22	-27	-32
-37	-39	-40	-38	-34	-28	-21	-14	-8	-1	4	9	14	18	23	26	22	29	31	34
37	40	41	42	42	43	42	41	38	34	29	27	26	24	23	22	16	10	4	-3
-10	-16	-22	-29	-34	-35	-35	-31	-27	-22	-15	-8	-3	2	7	12	17	19	16	13
10	9	6	3	0	-1	-3	-6	-10	-13	-15	-17	-18	-17	-15	-12	-9	-7	-5	-4
-4	-3	-3	-3	-2	-1	0	1	4	8	11	12	14	15	16	16	16	13	10	6
1	-6	-9	-11	-11	-12	-14	-15	-15	-18	-20	-20	-17	-14	-12	-9	-7	-5	-3	-1
0	2	3	6	7	9	9	10	11	11	11	12	12	13	15	16	15	14	13	11





IIU301 49.001.0 STATION NO. 28  
 INSTR PERIOD = 0.066 SEC DAMPING = 0.494  
 NORTHERN CALIFORNIA EARTHQUAKE MAR 9, 1949 - 0429 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 37 01 00N, 121 29 0  
 COMP N89W 36 51 00N, 121 24

PEAK VALS ACCLN = -193.6 CM/SEC/SEC AT 4.22 SEC VELO = 11.7 CM/SEC AT 4.14 SEC DISP = -1.4 CM AT 4.04 SEC

INITIAL VELO = 0.49031 CM/SEC INITIAL DISP = 0.08834 CM

2815 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-79	12	46	42	31	31	42	55	55	22	-25	-61	-44	-14	-37	-84	-84	-68	-73	-61
-18	33	84	135	143	80	-6	-80	-91	-60	-40	-30	-21	-13	-8	-13	-28	-60	-76	-52
-22	17	109	209	236	149	-27	-101	-75	-72	-98	-107	-91	-72	-56	-44	-43	-35	7	34
29	38	78	130	146	105	59	29	3	-38	-125	-168	-87	22	44	5	-8	9	20	24
18	-16	-67	-93	-68	-25	21	70	108	94	45	-7	-22	11	55	57	5	-46	-57	-47
-50	-74	-97	-85	-35	-9	-38	-89	-120	-100	-60	-26	4	25	31	17	-4	-28	-51	-86
-147	-218	-277	-293	-284	-261	-163	-7	185	349	344	223	94	-34	-49	99	286	457	527	431
256	24	-167	-245	-191	-53	97	238	362	473	590	646	546	375	123	-214	-494	-637	-598	-471
-337	-192	-68	-43	-83	-169	-306	-398	-411	-405	-371	-325	-203	79	324	404	260	-15	-279	-466
-526	-450	-227	18	186	329	465	601	673	599	465	324	74	-278	-613	-880	-872	-580	-228	346
964	1315	1508	1560	1404	1028	504	-90	-723	-1379	-1906	-1936	-1631	-1157	-519	90	441	457	307	149
46	89	224	354	370	283	219	220	244	266	257	212	158	74	-54	-191	-333	-441	-372	-164
17	137	236	337	339	182	-22	-223	-313	-239	-121	8	160	331	405	312	160	12	-151	-323
-508	-610	-521	-353	-203	-70	60	187	309	384	353	269	184	101	18	-47	-90	-127	-125	-69
0	70	132	154	143	129	118	126	147	167	143	69	-14	-99	-168	-145	-53	45	112	144
157	147	126	106	113	132	88	-49	-251	-464	-635	-741	-775	-751	-613	-347	25	397	599	649
630	452	215	61	-89	-215	-248	-171	9	235	383	336	196	50	-99	-223	-327	-374	-303	-182
-61	62	180	265	304	289	205	60	-54	-101	-99	-55	-3	30	48	64	102	177	241	203
92	-26	-142	-262	-361	-321	-165	-18	83	166	180	109	14	-115	-223	-275	-281	-219	-84	53
137	198	212	164	92	16	-31	-55	-54	-28	20	81	120	134	128	115	109	120	138	156
158	126	84	32	-41	-124	-202	-275	-338	-373	-352	-306	-182	-9	107	169	211	224	199	164
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IIU301 49.001.0 STATION NO. 28  
 INSTR PERIOD = 0.066 SEC DAMPING = 0.458  
 NORTHERN CALIFORNIA EARTHQUAKE MAR 9, 1949 - 0429 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 37 01 00N, 121 29 0  
 COMP SOIW 36 51 00N, 121 24

PEAK VALS ACCLN = 119.4 CM/SEC/SEC AT 3.54 SEC VELO = -8.3 CM/SEC AT 3.80 SEC DISP = 1.7 CM AT 3.36 SEC

INITIAL VELO = -0.26457 CM/SEC INITIAL DISP = -0.32531 CM

2017 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

85	135	95	15	-27	74	77	106	103	35	3	-12	-22	-46	-82	-115	-109	-68	-34	-22
-16	4	39	69	74	77	106	103	35	3	69	31	-7	-48	-93	-118	-109	-91	-92	-100
-77	-30	15	33	38	128	180	102	17	-15	-15	-16	-19	-29	-35	-45	-86	-146	-151	-92
-25	13	39	76	128	180	102	17	-15	-15	-16	-19	-29	-35	-45	-86	-146	-151	-92	-100
-13	-24	-24	-19	-12	36	37	23	23	16	16	33	61	44	-14	-76	-113	-100	-59	-35
-55	-93	-101	-71	-19	155	188	240	556	293	290	243	160	38	-79	-157	-236	-308	-345	-85
-358	-347	-323	-258	-140	362	510	556	504	504	363	14	-419	-695	-829	-846	-776	-486	-85	-85
231	499	756	946	938	795	611	320	-9	-288	-397	-285	-101	-14	16	81	153	260	387	387
469	311	9	-302	-580	-639	-527	-502	-614	-758	-789	-667	-439	-50	415	799	1106	1194	1011	695
343	-46	-415	-683	-860	-993	-1076	-1035	-907	-632	-210	276	665	844	754	536	419	382	352	224
109	177	321	471	571	458	214	-11	-158	-164	-110	-197	-413	-614	-760	-795	-679	-506	-426	-409
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-338	-253	-59	94	95	-13	-148	-183	-108	-36	-93	-248	-440	-477	-303	-49	248	499	579	482
336	252	219	191	163	118	18	-109	-227	-325	-305	-178	-49	65	118	59	-48	-181	-304	-353
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-278	-346	-371	-384	-360	-292	-178	-41	96	187	223	216	184	121	30	-36	-88	-113	-71	9
111	222	332	435	515	534	483	373	212	43	-112	-243	-348	-437	-514	-586	-609	-552	-443	-299
-144	11	168	322	419	464	465	423	333	205	64	-32	-69	-46	15	79	142	196	237	259
242	185	71	-72	-229	-384	-481	-532	-557	-532	-486	-357	-128	87	268	418	542	582	547	477
332	132	-56	-199	-309	-384	-432	-417	-325	-184	-31	109	212	276	304	286	244	156	29	-61
-116	-151	-139	-91	-52	-47	-59	-71	-81	-81	-75	-70	-69	-74	-78	-67	-38	0	46	97
161	222	262	290	276	225	150	66	-3	-56	-101	-141	-177	-191	-181	-163	-150	-156	-174	-188
-177	-152	-87	27	110	119	91	56	29	29	46	54	46	35	24	33	60	104	174	228
238	195	110	5	-105	-184	-230	-266	-270	-242	-204	-152	-97	-55	-22	0	10	16	24	42
68	109	178	238	266	246	194	140	89	46	25	18	7	-12	-34	-54	-59	-48	-35	-23
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158	93	37	5	-20	-21	3	45	89	117	115	81	28	-37	-101	-138	-159	-165	-152	-129
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67	47	30	32	47	61	72	75	65	50	13	-54	-119	-156	-181	-179	-144	-88	-9	53
89	116	140	161	178	172	141	88	19	-56	-117	-154	-170	-160	-138	-97	-37	22	73	112
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IIU301 49.001.0  
STATION NO. 28  
INSTR PERIOD = 0.068 SEC DAMPING = 0.404  
NORTHERN CALIFORNIA EARTHQUAKE MAR 9, 1949 - 0429 PST  
PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 37 01 00N, 121 29 0  
COMP UP 36 51 00N, 121 24  
PEAK VALS ACCLN = -69.5 CM/SEC/SEC AT 4.20 SEC VELO = -3.6 CM/SEC AT 4.26 SEC DISP = -1.0 CM AT 34.62 SEC

INITIAL VELO = 0.03334 CM/SEC INITIAL DISP = -0.06752 CM

2820 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-413	-8	268	271	62	-194	-238	-31	214	244	120	-47	-137	-96	-45	-46	-63	-52	-24	-26
-77	-56	96	283	245	-26	-302	-357	-219	-8	99	31	-118	-174	-49	164	276	153	-73	-283
-142	197	345	254	81	-146	-267	-182	1	88	79	57	88	128	121	43	-32	-67	-60	-29
33	78	30	-109	-177	-84	72	189	188	63	-89	-105	-32	55	93	59	-17	-91	-63	39
85	69	14	-97	-177	-108	50	220	237	58	-113	-248	-281	-127	125	197	42	-139	-228	-140
46	77	-28	-94	-37	87	191	161	40	-93	-116	-59	67	147	87	-47	-123	-72	41	105
19	-122	-214	-196	-116	9	79	24	-62	-59	13	81	121	151	156	129	79	9	-22	-11
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218	404	546	514	364	190	9	-191	-387	-583	-695	-574	-312	-35	228	411	422	419	409	338
224	74	-74	-88	4	157	197	85	-84	-230	-252	-178	-74	-8	-19	-59	-85	-103	-105	-72
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-345	-317	-277	-234	-180	-76	78	176	213	230	226	207	173	88	-3	-53	-41	12	76	144
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-4	-5	-6	-6	-6	-5	-3	-1	0	2	4	5	7	8	10	12	13	14	13	11
9	7	5	4	2	0	-2	-3	-3	-3	-3	-2	-2	-1	-1	-1	0	0	0	1
1	1	2	2	3	4	4	5	5	6	6	5	3	1	-1	-2	-4	-6	-7	-9
-10	-10	-11	-11	-11	-11	-12	-12	-12	-12	-12	-13	-13	-14	-16	-18	-21	-23	-24	-23
-22	-20	-19	-18	-16	-15	-14	-12	-11	-9	-8	-7	-5	-3	-1	1	3	5	7	9
10	12	13	15	16	17	19	20	22	23	24	22	20	17	15	12	10	8	7	6
5	4	3	3	2	1	0	-1	-1	-1	0	0	1	2	3	3	4	5	6	6
6	5	4	2	1	-1	-2	-4	-6	-9	-12	-15	-17	-20	-22	-23	-23	-23	-23	-23
-22	-19	-16	-12	-9	-5	-2	-1	-2	-4	-6	-8	-10	-12	-14	-16	-18	-20	-22	-21
-19	-17	-14	-11	-9	-6	-4	-2	0	1	2	3	4	4	5	6	7	8	10	11
12	13	15	16	17	18	19	19	18	16	14	12	10	8	7	5	3	3	3	3
3	4	4	4	4	5	5	5	5	5	3	1	-2	-4	-7	-9	-11	-12	-12	-13
-13	-13	-14	-14	-15	-14	-13	-11	-9	-7	-5	-3	-1	1	2	2	3	3	4	4
5	5	6	6	6	6	5	5	4	3	1	-1	-3	-4	-6	-8	-9	-10	-10	-10
-10	-11	-11	-11	-11	-11	-10	-10	-9	-9	-8	-8	-8	-7	-7	-6	-4	-2	0	2
4	6	8	10	11	13	15	16	18	20	21	23	22	20	17	14	11	8	4	2
1	0	0	-1	-1	-2	-2	-3	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
-5	-5	-6	-7	-9	-10	-11	-12	-14	-15	-16	-17	-18	-16	-14	-12	-10	-8	-6	-4
-2	1	5	10	14	18	23	26	27	25	22	20	18	15	13	10	8	6	3	1
-1	-2	-3	-5	-6	-7	-8	-9	-10	-11	-13	-14	-14	-14	-12	-11	-10	-8	-7	-6
-5	-3	-2	-1	0	2	3	4	5	5	5	5	5	5	5	5	5	5	5	5
5	4	4	4	4	4	3	3	3	3	2	0	-2	-4	-6	-9	-11	-13	-15	-15
-14	-12	-10	-9	-7	-5	-4	-2	-1	1	3	4	6	8	9	11	12	14	16	17
17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	17	16	15	14	13
12	11	10	9	8	7	6	5	4	3	2	1	0	-1	-3	-5	-7	-8	-10	-14
-16	-16	-15	-13	-12	-11	-9	-8	-7	-5	-4	-2	-1	0	3	7	10	13	16	17
12	10	7	4	2	-1	-3	-6	-8	-11	-13	-15	-17	-19	-21	-23	-24	-23	-22	-20
-18	-17	-15	-14	-12	-10	-9	-7	-6	-4	-3	-1	0	2	4	5	7	7	6	6
5	5	4	3	3	2	1	1	0	0	-1	-2	-2	-3	-3	-2	-1	0	1	2
3	4	5	6	7	8	9	10	11	13	14	15	16	17	19	19	18	17	15	13
11	9	8	6	4	2	0	-2	-3	-5	-7	-8	-10	-12	-13	-15	-16	-18	-20	-21
-23	-26	-26	-27	-26	-23	-20	-18	-15	-12	-10	-7	-4	-2	1	3	5	7	8	10
11	13	14	16	17	17	16	15	14	12	11	10	9	8	7	5	4	3	2	1
-1	-2	-3	-4	-6	-7	-8	-9	-10	-12	-13	-14	-15	-17	-18	-18	-15	-10	-6	-1
4	9	13	18	20	19	18	17	15	14	13	11	10	9	7	6	5	3	2	1
-1	-2	-3	-4	-6	-9	-11	-14	-16	-19	-21	-21	-19	-17	-15	-13	-11	-9	-7	-5
-3	-1	1	3	5	7	9	11	13	15	17	19	21	22	22	21	19	18	16	15
13	12	10	9	7	6	4	3	1	0	-1	-3	-4	-6	-7	-8	-10	-11	-13	-14
-14	-13	-13	-13	-13	-13	-12	-12	-12	-11	-9	-7	-4	-1	1	4	7	9	12	14
17	19	22	22	21	19	16	14	12	10	8	6	3	1	-1	-3	-5	-6	-8	-9
-10	-12	-13	-14	-15	-17	-18	-19	-19	-18	-17	-15	-13	-12	-10	-9	-7	-6	-4	-2
-1	1	3	6	8	10	12	14	16	16	14	12	11	9	7	5	4	2	0	17
-3	-5	-7	-9	-10	-9	-7	-5	-3	-1	1	3	6	8	10	12	13	14	16	17
19	20	21	21	19	16	13	10	7	4	1	-2	-4	-5	-4	-3	-3	-3	-2	-2
-10	-9	-9	-8	-8	-8	-7	-7	-6	-6	-5	-5	-5	-4	-4	-3	-3	-3	-2	-2
-1	-1	0	0	1	1	2	4	5	6	7	8	9	10	11	11	9	7	4	2
-3	-6	-9	-11	-13	-14	-14	-15	-16	-17	-18	-18	-19	-19	-20	-20	-20	-20	-21	-21
-21	-21	-20	-18	-15	-13	-10	-8	-5	-2	0	1	0	-1	-2	-4	-5	-6	-7	-9
-9	-8	-7	-5	-4	-2	-1	0	2	2	3	3	4	4	5	5	5	5	5	5

IIU302 52.007.0 KERN COUNTY EQ. 1ST AFTERSHOCK JUL 23-31.52 - 0000 PST EPICENTER - \*\*\*UNKNOWN AT PRESENT  
 STATION NO. 000 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP NIOE 00 00 00N, 000 00  
 INSTR PERIOD = 0.068 SEC DAMPING = 0.330 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -53.7 CM/SEC/SEC AT 0.32 SEC VELO = -3.4 CM/SEC AT 0.46 SEC DISP = 1.7 CM AT 2.84 SEC

INITIAL VELO = -1.68275 CM/SEC INITIAL DISP = -0.21222 CM

2835 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

254	207	130	19	-144	-260	-93	209	431	469	378	235	89	-101	-337	-593	-637	-501	-351	-118
46	10	-57	-8	148	331	449	452	356	226	86	-93	-311	-175	75	116	74	70	102	127
102	45	-7	-36	-85	-162	-251	-287	-214	-21	153	197	133	179	315	314	110	-102	-119	-65
-16	19	41	35	8	-53	-112	-72	31	140	199	188	113	-20	-197	-329	317	-214	-88	37
162	285	379	384	294	145	38	-6	-30	-74	-141	-186	-203	-209	-216	-219	-191	-73	67	187
255	244	185	104	22	-69	-110	-48	34	104	148	122	55	0	-39	-58	-66	-61	-61	-87
-179	-233	-180	-111	-60	-36	-23	48	129	128	72	22	10	34	65	10	-69	-94	-84	-99
-137	-157	-154	-137	-123	-119	-122	-122	-94	-50	-12	19	31	9	-21	-20	5	17	9	15
46	79	99	105	97	81	61	45	35	21	2	-8	-2	15	24	2	-30	-53	-66	-86
-113	-150	-101	25	90	95	79	65	67	115	154	128	88	97	128	139	120	72	11	-49
-91	-109	-119	-132	-155	-126	-37	21	36	23	7	-6	-27	-88	-143	-143	-87	-12	-3	-22
-24	-17	-24	-46	-57	-45	-37	-59	-72	-24	33	32	-6	-33	-43	-13	37	72	105	130
135	125	95	47	20	22	43	61	70	66	55	42	29	19	12	-28	-76	-111	-141	-161
-155	-134	-112	-87	-57	-44	-25	1	9	-4	-18	-25	-34	-49	-50	-35	-8	26	54	75
104	136	150	147	139	135	139	148	155	148	111	63	27	4	-10	-12	-14	-29	-49	-60
-87	-156	-214	-231	-219	-185	-140	-112	-115	-140	-124	-45	32	81	109	115	101	81	63	63
85	113	143	169	176	142	73	13	-12	-11	-3	-4	-5	-17	-37	-46	-54	-75	-91	-86
-54	-18	1	-2	-40	-84	-80	-35	-4	4	4	2	-20	-56	-61	-24	26	61	78	83
88	85	69	55	52	34	2	-12	-4	10	18	17	24	46	67	66	41	10	-6	-4
7	21	33	32	15	-5	-15	-18	-19	-28	-29	-22	-16	-12	-7	-1	3	-3	-24	-51
-73	-64	-31	-30	-57	-47	-14	0	-4	-12	-1	22	21	-1	-14	4	38	52	42	30
41	73	96	94	72	47	37	35	25	6	-15	-25	-18	-12	-19	-25	-25	-31	-42	-31
-8	-3	-21	-43	-50	-39	-27	-16	-1	18	22	12	-1	-4	9	21	12	0	7	20
17	8	10	20	23	18	9	4	11	30	46	53	47	35	20	6	-3	-4	-3	-8
-19	-29	-30	-26	-22	-20	-20	-24	-29	-35	-35	-30	-23	-22	-22	-18	-16	-19	-19	-14
-6	-3	-6	-8	-7	-4	-3	-4	8	28	33	11	-22	-49	-62	-62	-43	-10	19	27
13	-5	-11	-10	-5	1	1	-5	-9	0	25	55	62	37	14	15	30	30	3	-23
-19	2	2	-10	-5	12	15	2	-12	-20	-23	-16	-2	9	7	-7	-24	-27	-12	12
24	25	33	45	39	18	6	7	8	3	0	5	16	21	6	-24	-45	-40	-24	-21
-37	-60	-69	-54	-38	-26	-8	6	2	-15	-35	-45	-30	0	23	24	8	-9	-15	-16
-11	0	14	23	25	26	35	51	58	39	17	19	37	43	35	22	9	-4	-15	-11
6	26	38	37	27	13	-3	-20	-33	-36	-34	-36	-38	-36	-30	-20	-12	-10	-15	-21
-28	-27	-18	-8	-3	5	15	16	9	-1	-7	-6	2	12	15	2	-12	-12	2	20
31	32	30	31	30	18	0	-7	-1	5	3	1	2	2	-2	-7	-6	-2	-5	-14
-19	-20	-14	-3	7	12	13	13	14	9	-2	-13	-16	-8	2	3	-2	-7	-12	-13
-10	-6	-4	-4	-6	-13	-22	-28	-30	-25	-18	-11	-6	-1	6	15	25	27	21	7
-8	-14	-11	-4	3	9	14	14	12	16	26	34	33	28	26	27	25	19	13	8
3	0	-3	-3	-1	4	4	1	-3	4	4	12	11	4	-4	-9	-11	-12	-11	-10
-8	-7	-6	-4	-5	-13	-25	-36	-41	-38	-32	-23	-9	5	15	16	9	-2	-8	-7
-6	-7	-8	-3	3	9	15	20	26	27	24	21	19	13	3	2	12	21	18	10

4	2	-1	-7	-9	-7	-5	-7	-11	-16	-16	-12	-8	-4	-2	-2	0	3	8
12	16	16	11	3	-12	-6	-34	-8	-9	-4	-3	14	21	24	23	20	12	-2
-13	-17	-12	-12	-24	-28	-34	10	-21	-14	-8	-5	-4	-9	-11	-5	-4	-7	-10
-13	-14	-9	-2	6	-2	5	-14	-5	-4	-4	-3	27	15	7	1	11	-11	-12
-11	-10	-12	-16	-17	6	-6	-17	17	25	32	34	-12	15	6	8	11	17	23
20	12	4	-1	-3	2	-12	-3	-1	-6	-10	-13	-12	7	-1	1	2	1	0
-3	-7	-12	-15	-16	-5	-9	-13	-3	-5	-7	-5	-1	2	2	1	-1	-3	-5
-5	-4	-2	-1	0	1	1	-1	1	1	-2	-5	-1	5	14	12	12	8	3
-1	-2	-1	-1	-3	3	3	1	-1	-8	-14	-19	-17	-7	0	-2	-6	-9	-12
-15	-17	-14	-7	3	13	13	9	12	11	8	6	7	12	15	13	11	12	15
15	10	4	3	7	17	16	13	16	15	14	12	10	8	-4	-7	-9	-11	-14
-17	-21	-22	-20	-17	-8	-11	-14	-7	-8	-9	-11	-13	-15	-11	-9	-6	-6	-8
-8	-4	1	3	2	-8	-8	-2	-3	6	15	22	25	23	12	13	13	15	14
10	9	11	10	6	-3	-2	1	-1	3	3	0	-3	-4	-6	-6	-6	-6	-7
-7	-6	-4	-4	-5	-13	-10	-8	-14	-15	-14	-12	-9	-5	6	5	1	-1	-3
-3	0	3	3	2	8	5	2	12	14	14	11	7	3	1	0	1	2	2
0	-3	-8	-13	-14	-5	-9	-13	0	3	0	-6	-10	-12	-11	-8	-6	-2	7
9	10	10	7	5	2	2	3	1	0	-1	-1	-2	0	14	16	16	13	11
8	7	6	5	4	4	4	4	4	4	3	3	1	-1	-11	-14	-16	-16	-15
-13	-10	-9	-12	-16	-1	-8	-14	4	4	2	2	4	8	14	17	18	19	17
14	9	4	3	6	8	9	8	3	-1	-6	-9	-11	-10	-3	2	6	7	5
3	1	-3	-5	-3	2	1	-1	2	2	1	-1	-4	-7	-7	-4	1	8	14
15	10	5	2	2	-5	6	4	9	8	4	0	0	1	4	5	0	5	5
4	4	6	5	-1	-5	-6	-5	-6	-9	-11	-10	-8	-5	2	3	5	-1	2
8	14	20	22	22	15	17	20	13	13	16	17	15	10	6	4	2	-1	-3
-4	-5	-6	-7	-9	-15	-14	-11	-12	-9	-7	-8	-10	-8	-9	-8	-3	2	3
2	1	1	1	4	5	5	5	5	5	5	5	3	0	-9	-11	-11	-10	-10
-10	-8	-6	-6	-6	-3	-6	-7	3	6	6	6	5	5	-5	-5	-11	7	12
12	8	5	4	2	-7	-2	1	-8	-5	-2	-4	-7	-12	-16	-15	-12	-10	-10
-10	-10	-10	-10	-10	0	-6	-9	5	8	9	7	4	0	1	1	0	-1	-1
1	3	4	3	1	-4	-3	-1	-5	-6	-6	-4	-2	-1	-1	1	1	-1	-3
-4	-4	-2	0	0	-4	-4	-2	-6	-7	-6	-5	-5	-5	-6	-6	-5	-2	0
0	1	-5	3	3	2	3	2	1	-1	-1	-1	0	2	0	7	7	5	3
-1	-1	-6	-3	-1	1	-8	-8	0	-6	-5	-3	-2	1	5	-3	-4	-6	-9
-12	-15	-14	-11	-9	-8	-8	-8	-7	-4	-4	-3	-1	3	6	6	7	8	8
8	5	0	1	1	2	2	0	3	4	4	1	4	4	-3	-6	-6	-5	-3
-2	-1	-7	-8	-8	-2	-4	-6	0	0	-1	-2	-3	-3	1	4	9	1	-2
6	2	1	3	6	8	8	-13	8	8	-4	2	-1	-2	-3	-3	-3	-3	11
-3	-3	-4	-7	-11	-11	-13	-13	-8	-6	-4	-3	-2	-1	0	1	2	2	-2
2	1	1	2	4	7	6	5	7	6	3	1	0	0	-1	-2	-2	-2	2
-2	-3	-3	-4	-4	-5	-4	-4	-6	-7	-5	-2	1	1	-1	-1	-2	3	-2
10	9	6	4	3	0	0	-4	1	3	5	5	2	-1	-5	-2	0	0	1
1	1	0	-1	-2	-1	-3	-4	0	-1	-4	-7	-8	-7	-2	-2	-2	3	1
-1	-1	-4	-2	-1	-5	-2	1	6	6	7	10	10	8	-2	1	5	2	2
4	4	3	2	2	2	1	1	-1	0	1	1	-1	-4	-5	-3	-1	-1	3
5	6	6	3	1	-2	0	1	3	3	3	3	2	1	-6	-4	-1	1	2
1	1	-1	-1	-2	-2	-2	-3	-1	-1	-1	1	2	2	-3	0	2	1	-1
-1	-1	-1	-1	-4	-3	-6	-6	-1	-1	-1	1	2	2	-5	-3	5	3	3
-1	-1	-1	-1	-2	-2	-2	-2	-1	-1	-1	1	1	1	-5	-3	1	1	1
-1	-1	-1	-1	-4	-3	-6	-6	-1	-1	-1	1	2	2	-3	-3	2	2	0
-2	-3	-1	1	-4	0	3	4	-3	-5	-6	-6	-7	-7	-6	-4	4	3	-2

[illegible]



11U302 52.007.0 KERN COUNTY EQ. 1ST AFTERSHOCK JUL 23-31.52 - 0000 PST EPICENTER - \*\*\*UNKNOWN AT PRESENT  
 STATION NO. 000 FIRE HOUSE, TEHACHAPI, CALIFORNIA COMP S80F 00 00 00N, 000 00  
 INSTR PERIOD = 0.064 SEC DAMPING = 0.330 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -51.8 CM/SEC/SEC AT 1.82 SEC VELO = -9.8 CM/SEC AT 1.90 SEC DISP = 4.3 CM AT 0.90 SEC

INITIAL VELO = 3.06544 CM/SEC INITIAL DISP = 0.58199 CM

2804 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

140	29	-23	-5	32	38	23	5	2	23	101	205	227	186	134	82	1	-123	-238	-253
-153	61	299	346	221	66	-78	-167	-186	-128	30	196	238	125	-107	-311	-381	-393	-301	-92
23	-13	-239	-471	-523	-430	-241	-50	57	77	70	-32	-237	-386	-329	-29	197	181	199	228
19	-230	-71	191	179	56	-44	-73	-158	-254	-178	3	44	-99	-224	-271	-304	-336	-308	-214
-121	-40	139	297	295	232	151	17	-172	-365	-548	-618	-526	-414	-311	-64	241	405	402	292
151	26	-33	-23	51	143	198	216	209	181	119	45	-4	-29	-43	-53	-75	-111	-100	-32
49	114	127	149	288	395	375	318	260	215	196	204	235	267	276	260	232	205	177	136
83	17	-40	-65	-75	-84	-100	-119	-129	-134	-139	-147	-150	-139	-120	-114	-119	-144	-188	-236
-216	-106	-29	-14	-17	-23	-30	-38	-68	-106	-51	89	171	157	98	61	64	81	92	89
68	29	-18	-63	-106	-111	-38	31	41	22	-4	-30	-30	-1	26	25	-2	-16	11	44
48	34	22	11	1	-9	-20	-59	-42	56	114	117	108	99	89	76	63	51	43	15
-26	-12	31	16	-19	4	61	73	32	-21	-63	-85	-75	-55	-54	-67	-69	-34	24	71
93	97	88	73	56	44	45	51	57	61	59	55	46	32	25	-29	36	41	40	30
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2	2	0	-3	-7	-11	-11	-9	-5	-1	3	5	3	0	-1	2	6	11	15	16
14	11	9	6	1	-4	-4	-2	1	4	6	6	5	2	-2					





11U303 52.008.0 KERN COUNTY EQ. 2ND AFTERSHOCK JUL 23-31.52 - 0000 PST  
 STATION NO. 000 FIRE HOUSE, TEHACHAPI, CALIFORNIA  
 INSTR PERIOD = 0.068 SEC DAMPING = 0.330 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER - \*\*\*UNKNOWN AT PRESENT  
 COMP N10E  
 00 00 00N, 000 00

PEAK VALS ACCLN = -47.5 CM/SEC/SEC AT 2.28 SEC VELO = -2.8 CM/SEC AT 2.72 SEC DISP = 3.3 CM AT 32.52 SEC

INITIAL VELO = -1.08834 CM/SEC INITIAL DISP = -0.35124 CM

2633 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

112	13	57	-4	-36	-35	-27	-15	-3	3	1	3	33	71	66	8	-50
-79	-71	84	47	-99	-90	-58	-58	-97	-105	-41	36	71	81	87	72	-76
54	112	63	-11	126	204	181	103	26	-18	-10	0	-7	-6	-28	-42	-76
-77	62	174	63	-85	-180	-334	-423	63	293	374	312	196	168	169	102	29
70	98	-40	-251	-362	-159	47	213	19	3	88	133	103	61	82	126	51
-93	-242	-300	-197	-22	144	323	380	213	51	72	-324	-475	-158	130	340	384
164	-107	-184	-41	139	59	-11	-20	-167	-318	-314	-225	-201	-269	15	117	168
247	291	337	375	284	77	-82	-167	-188	-91	110	234	235	179	117	208	208
-171	-137	-156	-141	-58	-15	-52	-67	43	197	153	36	71	192	220	-6	20
59	84	70	-72	-63	-60	38	139	-24	-44	-7	24	23	44	77	71	-4
-101	-109	-38	75	164	-98	-306	-304	-256	-242	-204	-161	-139	-121	-92	-13	86
145	126	87	78	90	106	142	176	164	74	-32	-58	-13	-30	-163	-254	-161
-64	-114	-156	-79	40	61	-27	-63	129	181	122	122	51	8	-18	-41	-62
-71	-50	-36	-49	-50	-24	-11	-34	-127	-163	-90	17	70	47	-9	-60	-84
-21	57	86	89	92	110	87	34	55	40	33	31	6	-35	-35	15	38
0	-50	-77	-70	-38	-9	-27	-37	6	51	35	-6	15	22	-54	-119	-146
-160	-144	-99	-71	-50	-2	59	89	-92	-117	-105	-40	35	50	38	32	30
30	20	1	39	102	119	87	60	121	138	156	110	26	-8	-3	-4	-19
-33	-53	-65	-68	-86	-108	-120	-156	-158	-103	-54	-62	-53	-13	23	29	30
42	75	126	162	153	103	66	73	104	39	-25	-32	25	34	41	57	53
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31	34	41	48	28	5	33	60	-67	-79	-40	-13	-10	-21	-36	-56	-82
-79	1	54	57	47	39	47	59	56	55	64	66	54	38	32	19	-14
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-41	-49	-9	22	21	15	23	42	50	24	18	39	24	38	72	89	91
90	72	39	25	27	26	23	33	29	-45	-44	-41	-69	-112	-114	-82	-54
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83	69	69	69	58	37	25	18	27	47	41	5	13	27	25	10	4
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-17	-1	-7	-3	44	74	55	20	92	98	77	90	91	57	13	-7	2
18	24	26	29	27	12	-4	-20	-67	-52	-12	-5	8	16	0	-38	-77
-89	-71	-34	-9	2	0	-18	-37	33	34	20	8	4	4	20	45	59
81	106	104	78	56	45	26	7	1	4	14	0	-68	-81	-86	-73	-47
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3	4	3	9	6	2	2	8	6	-4	1	5	3	2	-1	-4	2	2	-3	-7	-2	-2	0	-2	-2	-2	-1	-1	-1	3	4	4	7	6	3	
2	4	3	9	9	1	9	1	6	-3	0	5	0	2	-1	-3	2	-3	-7	-7	-1	-3	-2	-2	-2	-2	-2	-2	4	3	5	7	7	5	5	
3	4	3	9	6	2	2	8	6	-4	1	5	3	2	-1	-4	2	-3	-7	-2	-2	0	-2	-2	-2	-2	-2	-2	3	3	4	7	7	5	3	
6	4	4	9	10	0	10	-1	7	-2	-1	5	2	4	1	-2	-4	-6	-7	-7	1	0	-3	-2	-2	-2	-2	-2	2	3	0	7	5	5	4	
8	4	5	9	9	-1	9	-1	-1	-2	-1	5	5	3	1	-2	-4	-3	-7	2	0	-1	-1	-2	-2	-2	-2	-3	1	3	7	5	5	4	3	
10	5	6	10	9	-1	6	0	8	-2	-1	5	7	1	0	-4	-9	-2	-7	3	0	-2	-5	-1	-2	-2	-2	-3	0	3	7	5	5	3	3	
10	8	4	9	8	0	3	1	8	-1	-1	3	7	-1	-1	-3	-10	-2	-7	3	-1	-2	-1	-1	-1	-1	-3	-1	-1	7	5	5	5	3		
10	11	0	7	8	3	-1	4	0	-1	-1	5	5	-2	-2	0	-11	-2	-7	3	-1	-3	-1	-1	-1	-1	-3	-1	-1	7	5	5	7	3		
9	12	-3	5	9	6	-4	7	1	-1	1	4	2	-2	0	-10	-2	-8	3	-2	-2	0	-6	-2	-1	-3	-1	-3	-2	7	5	5	7	3		
7	11	-3	5	11	6	-5	9	5	2	-1	1	2	-3	-1	2	-8	-9	3	-3	3	-1	0	-5	-2	-3	-3	-3	-2	7	5	5	7	3		
6	9	1	6	12	5	-4	11	3	2	0	4	0	-4	-2	3	-6	-10	3	-4	3	-1	0	-3	-2	-1	-3	-2	-2	7	5	5	7	3		
5	8	6	6	10	4	-3	12	2	2	1	8	-2	-5	-1	-3	-6	-11	2	-4	2	0	-2	-3	-2	-1	-3	-2	-2	7	5	5	7	3		
4	7	9	6	7	3	-2	13	0	2	2	9	-3	-4	0	-4	-8	-10	1	-5	0	-1	-4	-2	-2	-1	-3	-2	-2	7	5	5	7	3		
5	9	9	6	7	3	-1	15	-1	2	3	6	-3	-3	0	-6	-2	-8	1	-5	-1	-1	-5	-2	-2	-2	-2	-2	-2	7	5	5	7	3		
4	7	8	6	11	3	0	15	-3	2	3	1	-3	-2	0	-6	-2	-7	0	-5	-1	-1	-6	-1	-2	-2	-2	-2	-2	7	5	5	7	2		

1110303 52.008.0 KERN COUNTY EQ. 2ND AFTERSHOCK JUL 23-31.52 - 0000 PST  
 STATION NO. 000 FIRE HOUSE, TEHACHAPI, CALIFORNIA  
 INSTR PERIOD = 0.064 SEC DAMPING = 0.330 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER - \*\*\*UNKNOWN AT PRESENT  
 COMP S80E  
 00 00 00N, 000 00

PEAK VALS ACCLN = -57.3 CM/SEC/SEC AT 1.54 SEC VELO = 4.9 CM/SEC AT 1.48 SEC DISP = 1.2 CM AT 2.86 SEC

INITIAL VELO = 0.36577 CM/SEC INITIAL DISP = -0.42489 CM

2649 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

16	-50	-106	-141	-90	64	138	37	-82	-55	58	68	-35	-80	-20	17	32	85	88	34
5	24	71	83	-34	-125	-31	68	35	-52	-59	-2	21	25	-39	-56	53	104	48	-20
-32	-15	-8	29	72	55	11	-20	-40	-67	-42	54	80	12	-58	-41	37	14	-83	-67
53	141	150	99	55	82	117	144	227	306	306	240	181	147	53	-172	-440	-573	-513	-350
-248	-260	-257	-110	-57	-193	-273	-163	18	20	-106	-78	90	163	228	420	530	472	325	106
-78	-168	-260	-348	-248	20	214	275	254	125	-124	-398	-521	-304	-8	35	-98	-210	-220	-179
24	345	517	463	358	297	260	68	-211	-282	-122	108	300	427	469	255	-133	-386	-434	-436
-378	-190	-101	-147	-65	96	61	-147	-257	-170	-32	66	76	-47	-175	-209	-144	-42	36	141
204	101	-54	-159	-257	-184	155	353	297	253	256	216	66	-83	-42	136	186	-53	-292	-217
-66	-66	-111	-78	9	8	-134	-282	-264	-113	-46	-76	22	193	187	70	85	222	282	322
412	355	162	94	116	81	122	239	234	-15	-292	-352	-255	-177	-121	-52	-51	-151	-248	-282
-276	-176	-40	-41	-113	-74	38	89	53	-21	-70	-57	-5	49	73	42	-1	-56	-176	-280
-276	-163	-27	68	113	111	83	29	-42	-72	-23	37	71	136	241	326	337	255	187	187
183	150	130	159	203	187	120	72	49	-17	-121	-185	-204	-224	-267	-299	-248	-130	-61	-61
-80	-98	-90	-95	-170	-187	-102	-75	-123	-160	-113	-29	-8	-31	-41	23	124	147	97	48
91	211	260	186	99	80	95	86	60	42	32	42	96	155	181	164	131	112	118	76
-63	-160	-158	-137	-139	-152	-156	-140	-138	-170	-190	-158	-126	-125	-125	-117	-107	-94	-69	-20
24	14	-20	-9	19	29	78	139	149	137	163	234	283	274	211	116	50	34	51	73
48	1	-13	-10	-48	-102	-88	0	31	-44	-98	-85	-76	-100	-122	-95	-52	-39	-49	-27
25	17	-57	-114	-108	-55	-13	-13	-27	-22	-6	-3	6	42	54	22	-5	24	68	75
85	105	90	51	18	21	44	44	34	63	77	25	-26	-55	-80	-90	-60	-36	-56	-83
-103	-95	-39	23	50	49	37	31	42	59	55	16	-1	38	57	25	1	35	73	35
-40	-76	-69	-45	-19	-3	-12	-35	-55	-71	-76	-52	-22	2	26	15	-17	-17	1	0
-11	-10	10	37	49	47	63	94	114	118	109	92	74	60	52	47	32	23	40	36
-8	-43	-70	-104	-104	-64	-31	-11	-7	-19	-41	-72	-88	-77	-58	-29	12	21	-6	-27
-21	12	43	19	-43	-75	-74	-64	-47	-15	12	14	6	8	16	15	2	2	26	56
82	65	21	24	58	52	25	21	33	47	57	49	33	19	0	-20	-15	25	55	54
37	16	-4	-23	-38	-46	-43	-29	-17	-32	-64	-85	-83	-64	-41	-12	-9	-39	-52	-36
-15	6	23	38	37	24	7	1	25	57	61	43	28	25	21	21	27	19	-1	-7
6	9	-21	-60	-55	-17	-2	-11	-20	-21	-20	-30	-48	-55	-45	-27	-10	4	1	-25
-52	-55	-35	-9	7	5	-11	-28	-23	13	56	83	89	90	88	78	64	52	47	49
53	47	26	1	-21	-38	-36	-18	-26	-65	-77	-51	-40	-47	-48	-46	-51	-52	-38	-20
-10	-9	-12	-3	26	37	15	-4	7	30	35	17	4	17	37	20	-30	-54	-25	32
65	57	39	16	-29	-73	-75	-25	23	24	11	19	28	6	-18	-23	-27	-20	-33	33
12	-16	-8	9	-4	-31	-39	-21	4	4	-20	-29	-9	22	40	30	8	10	32	37
24	28	51	52	20	-15	-28	-20	-9	0	6	4	-3	-7	-1	7	9	0	-11	-7
5	15	17	13	4	-11	-26	-23	-5	10	17	21	25	21	-3	-28	-24	2	17	14
8	-5	-34	-50	-46	-39	-39	-41	-31	-14	-1	-5	-24	-41	-42	-28	-9	0	-3	-7
6	33	50	47	38	41	45	38	25	16	16	26	36	41	39	29	12	4	13	21
11	-8	-20	-19	-15	-16	-10	2	11	10	0	-10	-15	-20	-30	-31	-22	-9	-2	-8



-20	-28	-32	-36	-38	-35	-24	-15	-16	-4	13	20	14	7	7	5	-2	-3
7	21	34	34	27	26	30	36	35	21	5	-7	-8	-4	-3	-9	-19	-31
-41	-41	-30	-16	-2	8	13	12	-3	-7	-3	7	16	21	19	12	6	3
3	1	-7	-15	-13	-6	-8	-12	20	10	1	4	9	8	3	-4	-11	-18
-18	-11	-2	6	5	0	-4	-6	12	6	-6	-14	-17	-27	-41	-45	-37	-29
-27	-31	-31	-26	-21	-17	-13	-5	2	3	11	19	28	34	34	33	39	50
56	50	35	21	24	22	21	18	21	18	13	8	5	0	-8	-23	-45	-52
-40	-20	-11	-17	-23	-23	-24	-27	-30	-38	-35	-23	-13	-7	-3	-3	-11	-19
-22	-13	4	19	29	36	40	43	36	27	24	29	30	22	11	9	10	13
14	9	-3	-20	-35	-37	-29	-21	0	4	7	9	10	2	-13	-16	-9	-3
-7	-15	-16	-9	2	10	14	12	-9	-2	4	8	13	16	12	1	-5	0
8	8	5	8	14	14	7	1	-25	-26	-15	-6	-9	-13	-9	0	2	-2
-5	-4	1	6	3	9	9	3	-14	-7	-1	4	6	2	-4	-6	-5	1
10	18	16	3	-7	-8	-5	-6	-20	-14	-8	-3	1	4	3	-1	-6	-14
-20	-16	-5	4	7	2	-7	-15	-20	4	9	7	1	-5	-8	-4	-3	-3
1	6	10	7	0	-1	7	17	23	30	32	32	25	17	14	15	12	4
-5	-7	-7	-12	-17	-15	-12	-11	-14	-15	-14	-16	-20	-26	-29	-24	-15	-9
-9	-11	-14	-16	-18	-16	-14	-8	0	0	0	4	10	15	16	11	3	-1
2	9	12	14	17	21	26	30	30	20	19	20	15	6	3	5	6	3
-3	-9	-13	-18	-20	-15	-10	-17	-30	-33	-38	-37	-30	-22	-20	-28	-34	-26
-11	0	5	8	10	7	3	0	10	15	18	22	28	32	35	34	32	29
25	20	14	9	5	1	-2	-5	-8	-3	0	-5	-13	-18	-20	-24	-30	-30
-24	-19	-17	-18	-18	-20	-20	-19	-9	-2	7	12	13	11	11	12	14	17
20	25	29	33	30	19	11	9	8	8	0	3	-1	-3	-3	-2	0	2
4	5	7	5	0	-6	-12	-16	-7	-3	0	2	5	2	-8	-13	-8	-4
-6	-10	-9	-3	3	0	-9	-13	-10	4	8	10	5	-6	-9	0	5	5
9	15	19	17	7	4	13	19	19	9	4	4	4	3	0	-2	-3	-1
2	5	4	3	3	2	-8	-15	-12	3	6	12	14	10	3	-3	-10	-15
-10	-1	6	10	10	7	3	-5	-2	-1	-5	-4	2	6	3	-2	0	4
4	5	9	10	3	-2	0	6	13	12	9	6	5	9	12	7	-3	-10
-9	-7	-6	-7	-9	-9	-8	-7	9	15	15	11	7	9	13	14	16	20
23	18	9	3	2	3	4	4	-4	-5	-5	-5	-5	-5	-4	-4	-5	-8
-10	-12	-12	-11	-9	-5	-2	-1	2	6	7	10	16	21	19	14	12	13
11	4	-2	-2	0	2	2	5	-2	-2	-3	-7	-12	-11	-5	-2	-4	-7
-4	5	12	13	10	7	3	1	6	1	-3	-7	-10	-10	-6	-3	-3	-5
-6	-3	2	6	7	7	9	12	3	2	5	6	5	4	2	1	3	5
8	9	7	1	-5	-8	-7	-7	-12	-7	-2	1	-1	-5	-10	-12	-11	-11
-13	-12	-2	8	10	8	8	9	-12	-4	-2	0	0	-2	-4	-4	0	4
6	5	2	-1	-3	-6	-6	-2	7	8	7	3	-1	-3	-1	2	5	4
2	-1	-3	-6	-8	-9	-8	-8	-9	-12	-14	-11	-8	-9	-12	-14	-14	-12
-13	-14	-11	-6	-3	-2	-2	-1	-1	0	1	-1	-1	3	8	8	6	6
6	4	-1	-6	-10	-9	-5	-1	0	-4	-9	-13	-15	-13	-10	-11	-15	-17
-14	-9	-7	-6	-6	-7	-8	-9	-12	-7	-3	-1	-2	-3	-2	-1	0	-1
-2	-2	-5	-6	-6	-5	-3	2	-5	-4	-4	-1	2	4	4	2	-1	-4
-5	-3	-1	1	2	3	3	2	-4	-3	-3	-3	-3	-4	-5	-4	-4	-4
-4	-5	-6	-6	-5	-5	-4	-4	-7	-4	-2	-4	-7	-11	-13	-11	-6	0
4	5	-6	3	2	2	4	6	4	1	3	6	5	1	-1	3	8	6
1	-3	4	1	4	7	8	5	-10	-11	-8	-4	1	5	-1	0	-5	-7
-5	-3	-2	-3	-5	-6	-6	5	-4	-4	-3	-2	0	2	4	3	-1	-4
-6	-6	-2	-3	-5	-6	-6	-6	-4	-4	-3	-2	0	2	4	3	-1	-4



IIU303 52.008.0

STATION NO. 000

INSTR PERIOD = 0.066 SEC

KERN COUNTY EQ. 2ND AFTERSHOCK JUL 23-31,52 - 0000 PST

FIRE HOUSE, TEHACHAPI, CALIFORNIA

DAMPING = 0.528

EPICENTER - \*\*\*UNKNOWN AT PRESENT

COMP UP

00 00 00N, 000 00

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACIN = -32.6 CM/SEC/SEC AT 2.60 SEC VELO = 2.3 CM/SEC AT 2.34 SEC DISP = 3.3 CM AT 31.96 SEC

INITIAL VELO = 0.13088 CM/SEC INITIAL DISP = -0.36323 CM

2635 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

70	25	0	6	69	146	144	94	64	53	23	-9	-6	-15	-75	-110	17	18	18	56
-20	-48	17	-85	-128	-1	98	69	-84	-201	-143	-28	53	30	-82	-202	-129	21	41	2
-22	-16	-25	-6	39	54	38	6	-60	-61	12	45	23	-15	-64	-91	-60	-68	-48	55
93	38	-26	6	38	37	28	17	35	50	38	7	51	122	138	135	143	79	-55	-128
-19	96	65	-26	-97	-79	0	70	75	10	-91	-180	-255	-208	-35	-5	-57	-81	-100	-111
-115	-48	27	58	110	141	157	164	162	165	162	170	173	143	139	132	64	-41	-81	-29
21	-16	-113	-179	-168	-66	-37	-145	-244	-321	-326	-235	-100	-29	-26	-39	-43	-54	68	204
161	89	127	239	306	306	281	208	134	54	23	106	122	-7	-120	-190	-224	-210	-241	-255
-166	-64	-34	17	81	93	101	120	146	157	169	177	124	101	107	85	44	-23	-90	-163
-268	-326	-178	-33	-19	-52	-72	-50	-36	-40	51	140	130	100	74	40	8	23	49	39
4	-45	-74	-75	-43	-17	-58	-137	-187	-164	-116	-106	-88	-59	-53	-51	-51	-20	64	108
106	119	136	108	65	50	91	118	97	64	23	-13	-18	1	13	-6	-46	-61	-44	-31
-54	-88	-97	-51	47	90	61	21	-16	-12	53	78	55	27	22	59	83	52	37	66
64	2	-51	-76	-99	-100	-83	-80	-80	-74	-68	-72	-97	-111	-72	-38	-20	57	80	47
38	37	50	75	103	130	156	173	174	120	63	64	80	26	-59	-105	-134	-143	-130	-105
-98	-122	-131	-109	-79	-50	-20	16	24	-8	-60	-100	-66	17	38	-2	-33	-43	-16	29
53	58	48	16	-16	-17	21	58	73	63	31	-3	-16	-15	-5	16	65	85	58	33
15	-11	-40	-51	-57	-54	-36	-56	-62	-29	-4	11	20	24	27	22	1	0	31	48
29	17	15	-6	-38	-60	-68	-41	10	43	38	10	-13	-25	-27	-22	-20	-33	-15	44
53	34	28	39	44	24	1	-5	12	33	33	28	14	-10	-17	-9	5	25	31	17
-4	-5	-4	-13	-23	0	33	21	-11	-17	1	16	21	18	-7	-41	-56	-64	-43	6
21	10	-13	-22	1	-8	-1	6	-8	2	14	16	17	22	25	12	-12	-36	-22	19
44	40	7	-38	-24	26	37	19	1	-6	-18	-23	2	17	-1	8	4	-8	15	30
21	-10	-50	-21	11	-17	-39	-56	-56	0	37	24	3	-11	-26	-34	-17	21	55	52
20	-2	-17	-21	15	42	34	-11	-38	-29	-7	18	12	-19	-45	-41	-11	2	-2	-7
3	30	44	27	11	13	27	35	31	37	37	28	16	3	21	30	-2	-30	-18	3
1	-24	-43	-42	-24	-30	-52	-54	-44	-34	-24	-16	-3	8	6	-1	-5	-18	-29	-9
15	21	19	18	19	28	38	25	2	-14	-12	9	39	50	46	36	3	-15	-7	1
7	11	9	3	-3	-6	-6	-6	-10	-14	-13	-11	-12	-23	-16	2	-1	-27	-36	-3
24	28	23	14	-2	-4	19	23	4	-11	4	18	19	32	33	22	20	26	23	14
22	36	33	21	10	3	4	10	19	16	-10	-43	-56	-31	-3	-3	-16	-17	-22	-35
-36	-24	-5	12	18	14	9	11	19	26	28	20	13	13	19	27	29	18	4	-6
-12	-14	-15	-12	-5	-4	-18	-31	-36	-37	-26	-5	11	13	4	-9	-19	-17	-5	6
17	27	25	10	-4	-3	8	12	-1	2	20	17	16	27	24	9	-7	-21	-28	-23
-8	4	12	14	15	12	9	18	27	22	8	-4	-9	-10	-9	-5	-9	-19	-20	-7
2	2	2	-1	-4	-3	0	1	-3	-8	-2	10	8	1	4	15	26	24	16	21
19	13	15	15	11	3	-4	-9	-11	-14	-20	-26	-28	-26	-21	-14	-6	-1	-9	-19
-18	-6	-5	-12	-8	1	12	22	25	22	-9	14	15	18	21	22	22	20	17	12
6	0	-2	-3	-3	-5	-8	-2	8	4	-9	-20	-25	-15	0	1	-12	-26	-29	-24
-14	-11	-19	-25	-27	-27	-23	-14	-1	9	10	9	8	7	6	7	13	18	18	16

15	18	24	24	17	10	7	9	8	1	-8	-17	-24	-19	-10	-5	-3	-7	-9	-5
-3	-5	-6	-9	-12	-18	-24	-23	-14	-10	-14	-18	-21	-21	-15	-8	-1	-3	-5	-28
7	8	2	-4	5	20	30	36	32	16	-5	-16	-9	5	8	-1	-12	-25	5	18
-22	-17	-14	-12	-11	-12	-13	-7	-1	-2	2	9	14	13	9	4	0	-9	14	-4
12	5	-2	-6	-6	-3	0	-1	-5	-8	-7	-4	-3	-3	-6	-9	-10	-9	-7	-15
2	3	-7	-7	-7	-3	4	5	-2	-13	-18	-10	-1	0	-5	-10	-13	-17	-19	-4
-9	-5	-4	-2	-1	0	1	3	7	8	4	-2	-5	-6	-8	-8	-8	-6	-3	-1
0	1	2	3	4	6	10	14	13	8	5	3	2	2	1	0	0	0	5	8
2	2	-5	-10	-14	-17	-18	-17	-15	-11	-7	-4	-1	3	6	3	6	3	-2	-6
-4	1	4	6	6	6	6	5	-7	-18	-14	-8	-7	-5	-4	-3	-2	-1	0	1
1	-1	-5	-6	-3	7	15	16	8	0	-5	-11	-11	-6	-2	0	-2	-4	-7	-9
-13	-17	-20	-21	-18	-12	-9	-11	-15	-13	-6	0	3	4	4	5	6	8	9	11
13	14	12	8	5	5	5	5	5	5	3	2	1	0	-1	-2	-5	-10	-15	-1
-5	3	9	9	2	-4	-9	-7	-1	5	10	7	8	-7	-9	-3	1	-15	2	2
1	1	2	2	2	2	2	3	6	8	7	6	3	1	2	-3	-4	-1	1	4
3	3	6	10	10	-8	-17	-19	-12	-6	-3	-2	0	1	2	3	4	5	4	-6
3	3	6	10	10	6	1	-2	-3	-3	0	5	8	7	4	0	-3	-4	-5	-6
-6	-7	-8	10	-6	-4	-1	-2	-3	-4	6	8	9	7	5	2	9	27	30	19
11	2	-6	-3	1	0	-5	-14	3	-12	3	4	-8	-14	-8	-3	-2	-1	-1	-1
-3	-5	5	5	-3	-4	-1	2	7	11	13	12	12	11	11	9	8	16	20	15
10	8	6	6	6	4	2	1	0	2	2	-4	-11	-18	-21	-17	-10	-7	-7	-10
-11	-10	-6	0	-1	-4	-6	-4	0	3	5	6	7	7	9	13	14	13	11	10
9	8	8	-5	-6	10	12	13	12	11	7	1	-3	-5	-3	0	-1	-3	-5	-2
-8	-11	-9	7	6	-9	-10	-9	-8	-7	-6	-3	1	5	7	6	4	2	0	-2
-5	-3	3	7	6	4	4	4	4	4	4	5	7	8	9	9	9	9	9	2
9	9	9	10	-8	5	1	-2	-4	-6	-6	-5	-1	2	-2	-1	3	4	3	2
3	5	6	1	-9	-8	-2	0	-4	-2	-2	-4	-3	0	3	3	4	5	2	-1
5	13	14	9	7	10	15	16	11	6	6	7	8	9	9	9	10	10	12	12
13	13	13	13	12	9	5	2	1	2	5	8	8	3	0	-1	-1	3	6	5
9	9	9	9	9	9	8	8	7	6	5	5	4	4	4	5	5	5	5	5
5	8	16	19	15	10	8	8	7	6	5	4	2	2	2	1	2	2	1	-1
4	11	12	9	7	3	2	3	5	6		6	6	5	5	5	5	5	5	5
5	5	5	5	4	4	4	3	2	2	-1	-1	-1	-2	-1	0	2	4	4	-5
-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-3	-4	-5	-5	-5	-5
-8	-7	-7	-6	-5	-4	-3	-1	0	0	-2	-2	-2	-5	-5	-5	-5	-5	-5	-5
-5	-5	-5	-5	-5	-5	-6	-7	-8	-7	-4	-4	-4	-6	-6	-6	-6	-6	-6	-7
-7	-10	-11	-12	-12	-11	-10	-9	-9	-8	-7	-7	-7	-6	-6	-6	-6	-6	-6	-7
-8	-8	-8	-8	-8	-8	-8	-9	-9	-10	-11	-11	-11	-11	-12	-15	-17	-17	-17	-15
-13	-11	-9	-8	-8	-7	-7	-7	-7	-7	-7	-7	-8	-9	-11	-12	-13	-13	-13	-12
-11	-10	-10	-10	-10	-11	-11	-12	-12	-13	-14	-15	-16	-17	-18	-18	-18	-18	-18	-17
-16	-14	-13	-13	-13	-13	-13	-13	-14	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-13
-13	-13	-13	-8	-10	-11	-10	-10	-10	-10	-10	-10	-10	-8	-6	-4	-3	-3	-7	-10
-11	-10	-7	-7	-5	-4	-2	0	0	0	0	1	1	1	1	1	1	0	-1	-2
-3	-3	-1	1	2	4	5	6	7	-6	-5	-3	4	2	0	-1	0	0	0	0
0	-1	-2	-4	-7	-7	-8	-8	-7	-7	-5	-3	0	3	6	7	8	9	10	3
2	1	0	0	0	1	1	1	1	2	3	4	4	5	6	7	7	6	6	7
11	12	12	13	13	12	10	9	8	7	7	7	7	7	7	7	7	6	6	4
8	9	7	5	4	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4



IIU304 52.010.0  
STATION NO. 000

KERN COUNTY EQ. 5TH AFTERSHOCK JUL 23-31.52 - 0000 PST  
FIRE HOUSE, TEHACHAPI, CALIFORNIA

EPICENTER - \*\*\*UNKNOWN AT PRESENT  
COMP N10E  
00 00 00N, 000 00  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.068 SEC DAMPING = 0.330

PEAK VALS ACIN = -11.2 CM/SEC/SEC AT 0.22 SEC VELO = -1.1 CM/SEC AT 0.32 SEC DISP = 1.3 CM AT 20.46 SEC

INITIAL VELO = -0.29286 CM/SEC INITIAL DISP = -0.00587 CM

1815 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-69	-52	-29	-48	0	74	101	70	18	-39	-85	-112	-107	-70	-34	-19	-7	22	34	18
-8	-29	-3	33	33	57	62	54	41	30	22	17	16	18	30	56	49	-2	-71	-98
-85	-11	30	61	32	70	57	43	32	22	3	-8	1	10	8	-4	-13	-6	19	44
61	54	21	-17	-32	-12	12	20	19	-4	-35	-42	-34	-24	-30	-44	-53	-56	-59	-58
-47	-23	8	35	47	43	33	21	1	-34	-63	-50	-21	-8	0	19	43	44	26	11
1	-6	-12	-9	5	19	29	38	50	54	47	35	26	31	46	59	61	55	46	37
32	27	21	12	0	-8	-5	8	18	9	-10	-29	-41	-49	-54	-58	-62	-67	-72	-76
-81	-77	-60	-42	-36	-40	-36	-15	18	53	78	87	82	73	63	56	55	58	62	65
65	60	44	17	-5	-19	-28	-29	-18	1	16	13	0	-14	-29	-41	-50	-51	-44	-29
-17	-11	-14	-18	-14	2	21	32	37	39	35	25	19	16	12	7	3	3	8	11
8	1	-8	-18	-30	-32	-12	15	35	41	31	12	-6	-20	-28	-26	-19	-11	-6	-5
-5	-4	-6	-15	-23	-30	-33	-28	-20	-11	-7	-7	-8	-10	-11	-9	-2	16	29	30
24	22	24	20	8	-5	-15	-17	-10	-2	1	0	-5	-14	-20	-17	-7	6	14	15
9	-2	-12	-16	-14	-9	-1	3	3	7	12	12	3	-8	-15	-12	-5	3	9	12
14	16	20	17	8	0	-2	3	6	4	2	0	-5	-11	-15	-14	-13	-15	-15	-11
-5	-3	-4	-5	-5	-5	-7	-5	1	3	3	0	-1	-1	-1	-3	-4	-5	-5	-6
-6	-4	0	4	8	9	4	-4	-10	-13	-15	-16	-17	-16	-15	-14	-13	-15	-19	-24
-24	-16	-4	9	22	33	36	31	22	11	0	-7	-8	-7	-6	-4	-6	-10	-13	-14
-15	-18	-18	-9	-13	-8	-5	-5	-6	-6	-5	-9	-16	-23	-23	-16	-8	-7	-10	-15
-13	-3	9	20	27	35	43	45	44	42	39	35	30	25	20	16	12	7	1	-7
-11	-13	-19	-11	-27	-33	-36	-36	-36	-37	-36	-31	-22	-12	-6	-6	-11	-15	-16	-10
-1	7	12	11	8	4	1	0	-3	-3	1	9	18	24	24	21	17	13	9	3
-3	-4	-4	-3	-4	-4	-3	-1	0	1	-2	-4	-6	-5	-1	6	12	10	3	-4
-11	-15	-14	-11	-11	-7	-2	2	5	8	11	13	10	5	1	-2	-3	-5	-8	-11
-13	-9	-3	1	1	3	4	4	2	0	0	1	3	3	1	0	1	1	0	0
-1	-2	-4	-7	-8	-6	-2	2	5	8	10	12	12	11	9	6	4	2	-1	-4
-6	-8	-10	-10	-9	-9	-9	-8	-8	-8	-9	-11	-10	-6	-1	4	7	9	9	7
5	2	-2	-5	-8	-11	-13	-12	-6	2	6	7	9	10	11	9	4	-3	-8	-10
-9	-6	-1	3	8	11	12	12	12	12	11	9	8	8	7	5	3	1	0	-3
-5	-6	-6	-7	-9	-9	-11	-13	-15	-16	-15	-13	-12	-11	-8	-3	3	6	6	4
2	-1	-4	-6	-6	-5	-2	1	5	6	6	6	8	10	12	13	12	11	9	5
2	1	0	-1	-2	-2	-2	-1	2	6	8	8	-4	-6	-2	2	2	6	8	9
8	5	1	-3	-9	-15	-19	-21	-18	-12	-7	-5	-4	-4	-2	3	7	9	9	9
8	6	5	5	7	11	14	13	13	15	18	20	19	16	11	6	0	-4	-6	-6
-6	-5	-4	-4	-6	-10	-15	-12	-6	-1	2	4	3	2	1	0	-1	-1	2	3
3	3	4	3	3	4	6	9	11	10	7	3	0	-2	-2	2	8	13	12	10
9	9	8	7	6	5	3	2	1	2	2	3	0	-1	-2	-3	-4	-1	3	7
9	10	9	7	4	3	1	2	3	1	-1	-4	-6	-5	-4	-3	-1	-2	4	5
2	-1	-2	2	8	12	12	11	11	11	9	7	6	5	5	5	5	4	4	2
0	-4	-6	-4	0	4	6	6	6	7	8	9	10	11	11	11	11	11	10	7

[illegible]

IIU304 52.010.0 KERN COUNTY EQ. 5TH AFTERSHOCK JUL 23-31,52 - 0000 PST  
 STATION NO. 000 FIRE HOUSE, TEHACHAPI, CALIFORNIA  
 INSTR PERIOD = 0.064 SEC DAMPING = 0.330  
 ACCLN = -18.2 CM/SEC/SEC AT 0.10 SEC VELO = -1.7 CM/SEC AT 0.58 SEC DISP = -1.0 CM AT 3.32 SEC

PEAK VALS  
 1816 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
 INITIAL VELO = 0.07716 CM/SEC INITIAL DISP = 0.39257 CM  
 COMP S80E 00 00 00N, 000 00  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

166	112	49	-44	-150	-182	-112	-24	35	60	43	4	-41	-83	-109	-111	-92	-44	36	101
76	12	-27	-56	-95	-125	-116	-83	-38	25	98	145	122	45	-25	-15	6	-30	7	102
177	170	84	8	-25	-51	-83	-87	-42	29	53	32	12	2	-4	-8	-7	-14	-40	-43
-18	-15	-33	-12	26	42	19	-26	-51	-48	-27	4	37	60	68	66	60	47	24	3
-9	-13	-15	-20	-17	15	38	21	-6	-23	-33	-58	-89	-80	-28	21	37	39	38	35
32	38	35	6	-27	-44	-48	-44	-25	5	38	58	47	14	-18	-37	-44	-40	-31	-20
-11	8	38	58	61	45	17	0	-8	-16	-27	-35	-28	0	32	48	38	15	-1	-6
-4	-3	-6	-18	-25	-6	19	28	28	27	21	3	-23	-38	-45	-47	-38	-21	4	24
31	32	31	31	30	29	28	29	31	32	29	24	19	14	7	-3	-16	-17	2	26
40	40	30	12	-12	-34	-39	-31	-20	-13	-11	-11	-12	-11	-8	-1	9	15	14	14
18	23	24	21	16	10	6	5	6	0	-8	-15	-20	-15	3	4	-13	-23	-19	-7
-2	-6	-14	-22	-25	-15	-4	-6	-16	-6	12	13	6	0	-3	-3	5	14	18	20
20	19	19	18	17	15	11	7	2	-4	-9	-10	-7	-3	3	7	7	7	8	7
3	-1	-5	-7	-9	-9	-12	-13	-8	3	11	15	13	7	-1	-7	-11	-16	-20	-23
-20	-10	0	5	8	9	11	14	16	16	15	13	9	2	-6	-12	-13	-7	0	4
5	3	2	3	2	-5	-22	-34	-33	-28	-24	-21	-9	11	25	28	21	15	11	8
5	1	1	1	1	-1	-4	-8	-9	-9	-7	-1	3	4	1	0	6	13	17	15
10	7	3	-2	-6	-11	-15	-17	-21	-24	-25	-23	-18	-10	-4	-1	-1	-1	-3	-4
-5	-5	-6	-6	-5	0	5	7	9	14	20	24	24	22	20	17	13	9	5	3
0	-4	-7	-11	-15	-17	-15	-11	-7	-6	-7	-8	-9	-9	-6	-3	1	4	5	5
4	2	1	0	3	5	2	-3	-7	-10	-13	-15	-17	-17	-16	-13	-10	-9	-11	-13
-16	-19	-20	-19	-15	-8	4	17	24	25	23	20	16	15	17	20	26	31	32	30
26	20	13	8	3	-3	-8	-11	-13	-14	-13	-11	-9	-8	-9	-13	-16	-19	-22	-22
-19	-14	-11	-8	-8	-11	-14	-16	-13	-7	-2	-1	-4	-8	-9	-6	-3	-1	1	4
7	8	7	5	1	-2	-5	-5	-3	1	8	15	18	14	8	4	0	-1	1	4
7	7	5	2	-1	-4	-6	-7	-9	-10	-10	-11	-11	-11	-10	-9	-8	-8	-6	-2
2	3	1	0	-1	-3	-5	-9	-10	-5	1	2	2	2	3	3	3	2	2	3
6	5	1	-4	-9	-12	-13	-12	-10	-11	-13	-16	-19	-20	-19	-13	-7	-2	2	5
9	10	7	4	1	-3	-7	-8	-8	-6	-4	-1	0	1	1	2	6	10	11	10
8	5	2	1	1	-1	-3	-4	-5	-6	-6	-5	-4	-3	-2	0	0	0	-1	-2
-4	-5	-5	-6	-7	-9	-10	-11	-10	-6	0	7	12	11	7	3	1	1	5	10
15	14	10	5	2	1	3	4	2	-1	-3	-4	-6	-8	-9	-9	-9	-7	-5	-5
-4	-2	0	2	3	3	2	2	2	2	0	-1	-1	-2	-5	-6	-4	0	5	7
6	4	1	-1	-1	0	0	0	-1	-2	-1	-1	-1	-2	-2	-2	-3	-3	-3	-3
-3	-2	1	5	8	10	10	10	8	5	4	3	2	2	2	2	2	3	4	6
9	10	8	5	2	1	0	-2	-3	-5	-6	-5	-4	-3	-2	-2	-3	-3	-2	0
0	0	0	-1	-1	-1	0	-1	-1	0	2	5	6	7	8	9	10	10	8	6
5	5	6	8	8	1	5	2	1	1	2	4	7	7	5	1	-3	-6	-8	-9
-9	-7	-6	-4	-1	2	3	4	6	7	7	8	10	11	10	9	9	8	8	8
6	4	3	2	2	3	3	3	2	1	-1	-3	-4	-4	-2	-2	0	1	1	0



2	5	4	1	6	-4	1	1	0	-2	-7	-4	-4	-7	0	-1	0	-2	-3	-6	1	1	-3	5	0	0	0	4	1	-1	2	4	1	1	2	-2	1	-3	4	-1	-4	-1	-3	-2	3			
1	4	4	2	3	-5	2	2	-5	-2	-6	-2	-5	-5	1	1	-2	2	-2	-4	2	1	-2	3	3	0	0	1	3	1	1	3	2	1	1	2	-3	2	0	-2	-1	-4	-2	1				
-2	5	5	4	3	-6	4	4	-3	1	-6	-1	-4	-4	1	1	-3	3	0	-4	2	1	-2	2	3	0	1	1	0	1	1	2	2	1	2	-2	-1	0	0	-5	-1	-2	3					
-2	6	7	4	3	-6	4	4	-2	0	-7	1	-4	-2	1	1	-4	3	1	-5	2	2	-1	2	1	1	1	2	0	6	-1	1	2	3	-1	1	2	-2	0	-2	0	-4	-2	-2				
0	4	8	5	4	-3	4	4	-2	-1	-7	2	-3	-1	2	3	-2	2	2	-6	1	1	0	2	2	1	1	4	0	8	-2	1	2	3	-1	0	-2	-2	-1	1	-4	-2	-3					
3	2	7	4	4	1	2	-1	-1	0	-5	1	-3	-1	2	3	1	2	2	-7	-3	0	-1	2	1	0	1	4	0	9	-1	2	1	2	3	-1	0	-1	-2	-2	-2	-3	1	-4				
4	-1	5	4	4	5	1	-1	-1	0	-3	2	-4	-1	1	-2	0	2	2	-5	0	0	-1	2	1	0	1	1	4	9	-1	2	0	0	2	-1	0	0	-2	-2	0	-5	-3					
4	-5	2	4	4	7	1	-1	-1	-1	-3	2	-5	-1	1	-2	-3	1	1	-6	0	1	3	-1	-1	2	1	0	7	-2	2	1	1	-1	0	1	-2	-2	-1	-1	-4	-5	-3					
3	-6	0	4	3	6	3	-2	-1	-1	-3	2	-5	0	1	0	-6	2	-3	-5	-1	1	4	-1	0	2	1	0	5	-1	-3	0	1	-1	-3	-1	2	-3	0	-3	-4	-4	-1	-2				
3	-5	-2	4	1	5	4	-2	1	-2	-3	2	-6	0	1	0	-7	2	-2	-4	-2	-1	6	0	1	2	2	2	1	3	0	4	-1	-1	1	-2	-1	1	-3	1	-4	-4	-3	0	-1			
3	-6	-1	3	-1	5	4	-1	0	-3	-3	3	-6	-1	1	1	-8	2	-3	-3	-2	-4	6	-1	2	2	0	5	1	3	0	4	-1	-1	2	0	0	-3	0	1	-5	-3	-3	-3	0	0		
3	-4	0	2	-1	6	3	0	0	-3	-2	3	-5	-1	1	2	-8	2	-6	-3	-1	-5	4	-1	3	3	-1	7	-1	3	1	4	1	1	2	0	0	-4	-1	1	-4	-3	-2	-1	0			
3	-2	1	-2	8	1	0	-3	-3	-1	-1	3	-4	1	0	0	-5	1	-7	-3	1	-2	1	-1	3	-1	7	-1	2	2	2	4	3	3	1	1	0	0	-4	-2	1	-3	-4	-3	-3	-1	1	
1	0	4	-3	8	-2	1	-3	-4	-2	-2	4	-5	1	-1	-2	-3	0	-7	-4	1	0	0	-2	3	3	-1	6	-1	1	2	2	2	3	3	0	2	0	1	-3	-2	0	-2	-5	-4	-3	0	1
-1	3	5	1	-4	7	-4	2	-1	-4	-4	5	-6	1	-3	-4	-1	-2	-6	-4	0	1	2	-3	3	2	-1	5	-1	2	3	3	2	3	1	2	0	1	-3	-1	-2	-5	-4	-4	0	2		
-4	4	6	0	-4	-5	4	0	-4	-4	-4	5	-6	2	-4	-1	-2	-6	-2	-2	-1	1	3	-4	3	2	-1	2	2	3	2	3	3	2	1	2	-2	1	-3	0	-2	-2	-5	-4	0	2		
-5	3	5	0	-4	-5	4	0	-4	-4	-3	6	-5	3	-6	-1	-1	-5	-2	-3	0	0	3	-3	4	3	0	0	2	3	3	4	3	0	0	2	-2	0	-3	1	-3	-3	-4	-4	0	-2	3	
-3	3	5	1	-3	8	4	0	-4	-4	-2	3	-5	3	-8	-2	0	0	-3	-2	-5	0	1	6	2	0	0	-1	2	3	3	4	4	0	2	-2	0	-4	3	-2	-5	-2	-3	-3	-2	2		
-1	4	5	3	-2	8	-4	3	-1	-3	-1	-2	-5	1	-10	-3	0	0	-2	-2	-6	-1	1	7	1	1	0	0	0	3	2	3	5	1	0	2	-2	-1	-4	4	-2	-5	-1	-3	-3	0	1	
-1	3	5	4	0	8	2	-3	-1	-1	-2	-5	-5	-2	-9	-1	-1	-2	-2	-2	-7	0	1	-3	7	0	0	0	4	2	0	2	5	1	1	2	0	0	-3	5	-2	-5	0	-3	-2	0	0	

IIU304 52.010.0 KERN COUNTY EQ. 5TH AFTERSHOCK JUL 23-31.52 - 0000 PST  
 STATION NO. 000 FIRE HOUSE, TEHACHAPI, CALIFORNIA  
 INSTR PERIOD = 0.066 SEC DAMPING = 0.528 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER - \*\*\*UNKNOWN AT PRESENT  
 COMP UP 00 00 00N, 000 00

PEAK VALS ACN = 7.4 CM/SEC/SEC AT 1.66 SEC VELO = -1.3 CM/SEC AT 23.00 SEC DISP = 2.1 CM AT 19.66 SEC  
 INITIAL VELO = -0.61150 CM/SEC INITIAL DISP = -0.27121 CM

1803 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-35	-2	10	2	-11	-17	-15	-10	-3	2	8	16	24	30	33	24	6	-8	0	10
-2	-14	-16	-21	-27	-29	-25	-15	-1	8	13	17	16	7	-1	-5	-8	-7	-1	5
7	6	5	9	15	25	33	30	27	35	46	54	51	35	15	-3	-15	-21	-26	-36
-54	-70	-67	-34	-11	-10	-12	-10	-3	1	13	5	-4	2	12	21	35	45	49	54
59	66	73	74	62	33	6	-5	-3	1	-1	-7	-14	-23	-32	-40	-41	-28	-15	-14
-19	-22	-19	-10	-2	2	5	9	13	14	13	8	-2	-5	0	6	12	16	22	28
31	31	21	2	-16	-18	1	22	24	8	-7	-18	-22	-11	-1	2	2	1	-2	-1
8	22	31	26	11	-1	-15	-23	-19	-13	-7	-3	-3	-5	-6	-6	-3	-5	-7	-4
2	5	4	2	2	5	7	10	15	19	23	25	23	21	19	16	13	10	6	-1
-4	-4	-4	-5	-10	-16	-20	-20	-20	-21	-19	-12	-6	-7	-6	-2	1	1	1	-5
-15	-17	-10	1	14	21	19	17	17	24	37	40	33	22	11	5	7	12	7	-2
-10	-16	-15	-9	-4	-4	-15	-28	-30	-19	-5	-4	-23	-36	-33	-20	-8	-1	12	25
26	23	15	7	0	-1	2	1	-4	-6	-6	-2	4	7	6	6	5	5	1	-6
-11	-14	-16	-15	-9	0	8	13	13	11	10	8	4	3	3	2	2	1	-1	-6
-9	-9	-7	-4	-3	-4	-8	-12	-17	-25	-28	-26	-15	-8	-7	-4	2	11	17	14
9	4	0	0	0	-4	-7	-9	-8	-7	-7	-4	-1	-1	-2	-3	0	0	-3	-4
-3	-3	-1	0	-1	-7	-15	-19	-19	-17	-14	-11	-9	-10	-7	-1	2	3	2	-2
-4	-6	-10	-9	-6	-6	-8	-9	-7	-7	-7	-6	-5	-5	-5	-5	-5	-5	-5	-4
-3	-2	-2	-4	-7	-10	-9	-4	0	3	4	5	5	4	3	1	0	1	3	5
5	2	-2	-5	-9	-13	-15	-16	-15	-13	-9	-6	-6	-7	-7	-7	-6	-6	-6	-6
-6	-4	-2	-2	-4	-5	-2	2	3	2	-1	-5	-8	-5	-1	0	-1	-4	-8	-9
-9	-6	-6	-4	-4	-2	-1	0	3	3	2	-9	-9	-4	0	-1	-2	-2	-2	-3
-5	-6	-3	-5	-5	-4	-2	1	2	1	-3	-5	0	3	5	8	7	4	5	8
0	-2	4	0	-1	-1	4	4	-1	-7	-12	-16	-15	-8	-3	-3	-1	1	1	0
12	10	4	0	-1	-1	4	4	4	5	5	4	4	5	7	6	6	6	3	0
0	5	9	8	4	2	2	3	4	5	5	4	-7	-2	1	2	3	5	7	9
-5	-9	-10	-9	-8	-9	-11	-12	-13	-11	-10	-10	-3	-2	-3	-5	-7	-6	-5	-3
11	13	13	10	7	10	13	10	7	4	1	-2	-3	-2	7	6	5	5	5	3
1	1	-4	-5	-6	-6	-4	-1	0	0	-1	0	4	6	-7	-5	5	5	5	3
2	1	0	-1	-2	-2	-1	1	3	0	-4	-3	-3	-3	0	4	6	4	1	-1
-1	0	3	7	9	9	9	7	5	5	5	6	6	4	3	2	3	3	3	3
4	5	5	6	6	6	6	6	4	3	3	2	1	2	3	5	4	4	4	4
5	7	8	7	7	7	7	5	4	3	1	1	5	8	10	12	12	10	8	6
7	8	8	8	7	6	3	1	3	7	6	4	4	7	10	9	8	7	3	2
2	3	3	3	1	-1	-2	0	5	7	6	2	0	-1	0	1	3	5	5	5
9	12	11	10	12	14	14	15	13	11	10	8	6	3	3	4	6	7	7	6
7	8	7	6	5	5	6	6	6	6	4	2	1	3	5	5	5	5	5	4
4	4	4	5	7	9	10	12	11	10	10	10	10	8	7	5	2	2	5	7
7	4	1	1	1	0	-1	-1	-1	2	6	8	8	6	3	2	2	4	3	1
0	-1	-1	0	0	0	0	-1	-1	1	4	5	6	5	1	1	-2	-4	-4	-3

[illegible]

110305 54.002.0  
 STATION NO. 28  
 INSTR PERIOD = 0.065 SEC  
 DAMPING = 0.632  
 CENTRAL CALIFORNIA EARTHQUAKE APR 25, 1954 - 1234 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 36 56 00N, 121 41 0  
 COMP N89W 36 51 00N, 121 24

PEAK VALS  
 ACLN = 52.0 CM/SEC/SEC AT 4.00 SEC  
 VELO = 4.2 CM/SEC AT 3.58 SEC  
 DISP = 2.2 CM AT 17.92 SEC

2865 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
 INITIAL VELO = -1.10271 CM/SEC  
 INITIAL DISP = -0.41951 CM

71	50	42	31	0	-46	-74	-76	-60	-45	-32	-23	-13	5	29	44	33	-8	-35	0
74	137	154	140	119	80	9	-31	15	65	86	76	14	-66	-112	-110	-84	-55	-29	-7
13	25	16	-3	-15	-17	-12	-9	-7	7	27	43	56	51	29	13	13	27	42	52
59	62	55	41	23	-2	-24	-35	-24	2	25	36	38	35	34	41	59	81	93	51
-15	-47	-60	-59	-40	-13	14	5	-78	-194	-266	-281	-247	-184	-116	-28	80	188	251	238
208	203	195	175	154	155	183	222	228	174	89	-1	-80	-134	-162	-178	-196	-227	-282	-331
-311	-238	-196	-211	-210	-156	-80	16	122	241	355	404	314	182	86	28	48	116	194	205
105	9	-65	-140	-141	-85	-65	-70	-58	-22	36	48	-37	-149	-267	-348	-356	-287	-135	22
150	219	144	20	-64	-56	49	160	244	259	192	124	112	160	227	279	277	220	145	15
-147	-245	-237	-209	-237	-287	-332	-354	-337	-298	-266	-251	-233	-196	-132	-53	58	180	304	442
520	477	349	212	135	140	139	92	14	-115	-223	-221	-154	-96	-97	-169	-260	-325	-341	-296
-222	-122	-6	60	32	-17	5	71	155	242	291	293	250	184	130	94	79	71	54	-2
-95	-159	-164	-126	-88	-65	-68	-105	-175	-175	-164	-102	-3	98	206	258	193	129	130	156
202	234	198	121	2	-148	-244	-298	-366	-417	-348	-191	-72	40	141	152	122	106	111	119
106	77	49	25	-11	-79	-159	-238	-275	-237	-131	-8	82	128	144	147	149	163	183	217
243	193	111	23	-94	-141	-103	-51	-17	-33	-91	-158	-246	-288	-259	-208	-139	-59	29	89
114	130	131	117	93	59	21	-28	-69	-69	-46	-18	7	25	42	58	61	41	9	-28
-61	-73	-55	-15	24	28	-2	-27	-15	14	37	33	-7	-55	-92	-97	-60	-7	53	104
134	157	175	184	176	138	46	-41	-52	-13	22	46	56	46	15	-31	-90	-155	-211	-258
-275	-249	-196	-112	-21	65	116	108	73	29	-21	-56	-59	-22	52	117	134	119	94	86
91	88	59	8	-38	-68	-73	-54	-23	12	27	10	-27	-63	-83	-70	-36	-6	22	45
66	93	115	140	173	202	219	208	168	127	66	-20	-109	-158	-151	-127	-97	-75	-61	-41
-43	-71	-94	-111	-105	-84	-63	-43	-25	-8	5	5	-9	-23	-30	-28	-10	13	36	62
84	107	132	149	149	127	93	47	5	-17	-39	-64	-82	-102	-131	-162	-177	-167	-147	-117
-66	-25	-3	1	-7	-4	3	8	13	23	40	69	109	142	166	181	173	151	118	78
42	40	68	95	105	82	15	-74	-137	-168	-174	-160	-139	-115	-99	-105	-126	-150	-169	-172
-152	-109	-53	8	56	78	85	82	81	93	111	130	147	159	155	139	126	118	112	106
98	75	42	2	-53	-100	-133	-158	-165	-156	-146	-135	-115	-94	-66	-28	2	22	40	58
79	88	80	65	44	21	2	0	19	37	53	68	78	78	70	56	43	29	9	-16
-48	-77	-93	-88	-70	-47	-26	-21	-31	-52	-78	-110	-139	-148	-132	-112	-76	-9	35	55
75	92	87	70	59	52	55	67	78	88	86	64	37	11	-13	-27	-32	-37	-46	-54
-65	-85	-107	-124	-127	-117	-104	-90	-77	-60	-33	10	69	115	146	169	168	145	118	95
76	54	29	15	7	4	12	23	25	22	13	-5	-25	-42	-62	-75	-70	-57	-45	-35
-22	-3	23	51	73	92	110	120	119	107	85	46	-2	-77	-151	-202	-244	-263	-264	-255
-225	-178	-122	-60	-7	35	78	119	157	191	216	220	194	163	134	104	60	10	-29	-63
-92	-111	-113	-102	-82	-56	-28	1	23	36	43	41	34	18	3	2	10	27	45	59
74	80	68	49	29	9	-2	-1	7	20	33	40	42	39	35	38	50	70	89	108
125	122	98	70	46	21	-12	-50	-84	-110	-129	-142	-153	-150	-134	-118	-97	-73	-51	-32
-16	-4	5	7	3	-3	-8	-2	11	23	36	51	67	84	98	96	87	80	76	66
53	43	33	21	8	-1	-7	-8	-7	-3	12	28	39	51	52	36	23	9	-12	-35

-48	-46	-35	-26	-24	-32	-42	-49	-58	-60	-53	-42	-28	-10	11	34	51	64	72	71
68	59	49	41	33	24	14	2	-8	-22	-42	-62	-80	-91	-95	-93	-86	-76	-64	-51
-56	-68	-80	-87	-89	-85	-78	-72	-66	-76	-56	-72	-57	-31	28	11	15	-22	-34	-46
119	140	141	127	104	74	39	7	-34	-72	-87	-96	-105	-117	-128	-132	-132	-126	-109	-82
-53	-27	-7	11	26	36	40	34	25	18	19	23	30	34	33	32	27	21	19	20
22	23	25	28	31	30	25	12	-6	-22	-38	-48	-58	-68	-78	-81	-77	-70	-63	-58
-52	-46	-39	-30	-20	-11	-4	3	11	18	19	13	6	1	-3	-5	-8	-10	-7	0
7	18	28	33	40	48	53	59	65	70	70	62	49	35	20	6	-16	-39	-55	-66
-71	-67	-61	-55	-48	-39	-32	-25	-17	-8	0	5	5	1	-6	-16	-29	-40	-44	-40
-29	-13	3	20	37	48	56	59	53	41	33	30	22	7	-9	-25	-41	-50	-55	-48
-27	-8	8	22	36	44	46	42	33	26	29	34	35	29	22	14	6	-2	-10	-16
-20	-19	-11	-4	2	12	18	18	13	7	2	-3	-6	-6	-3	2	4	3	-1	-4
-6	-7	-8	-8	-9	-12	-17	-23	-29	-35	-41	-45	-44	-42	-44	-46	-47	-48	-48	-45
-41	-36	-28	-16	-7	0	12	26	36	46	59	73	85	94	100	106	107	104	96	84
73	62	52	39	24	11	0	-9	-19	-35	-52	-65	-77	-86	-90	-89	-78	-63	-46	-27
-4	20	36	49	60	64	62	56	48	41	33	22	13	6	-3	-13	-19	-20	-18	-15
-11	-7	-3	2	7	10	11	8	2	-4	-9	-14	-21	-28	-31	-36	-42	-46	-46	-41
-30	-14	0	12	26	41	54	67	80	94	108	119	118	106	97	86	74	60	42	27
13	-5	-27	-50	-75	-93	-105	-116	-126	-133	-141	-150	-157	-159	-152	-142	-131	-116	-88	-56
-27	9	42	66	86	100	110	118	122	121	114	103	88	76	63	43	25	8	-12	-28
-42	-52	-58	-61	-60	-58	-55	-52	-48	-43	-38	-32	-25	-19	-13	-5	2	8	13	17
21	23	19	16	17	19	21	25	29	30	33	38	41	44	47	49	50	47	38	32
26	19	11	4	0	1	3	5	8	14	19	16	8	2	-3	-7	-9	-10	-9	-6
-7	-13	-20	-25	-30	-32	-33	-37	-31	-31	-22	-12	-4	5	17	28	35	40	44	48
52	53	52	49	45	40	34	28	21	13	6	4	1	-2	-3	-4	-5	-9	-13	-17
-21	-24	-25	-24	-23	21	-12	-10	-8	-6	-4	0	3	6	9	14	19	21	23	23
23	23	23	22	21	21	21	23	22	17	12	8	4	1	-2	-6	-10	-15	-20	-22
-23	-23	-23	-23	-23	-23	-23	-25	-29	-33	-36	-37	-37	-37	-37	-36	-34	-31	-29	-24
-16	-9	-5	-1	4	11	18	21	19	15	12	11	10	9	8	8	4	-2	-10	-17
-25	-29	-30	-30	-30	-30	-28	-23	-20	-17	-15	-10	-3	3	8	12	12	8	2	-6
-16	-47	-31	-34	-38	-43	-45	-43	-38	-31	-22	-8	6	17	27	34	41	49	52	52
-1	4	8	13	18	20	17	12	10	10	13	13	12	11	9	5	3	6	11	15
19	24	27	24	18	15	11	4	-3	-9	-15	-23	-30	-35	-40	-43	-44	-43	-39	-33
-27	-20	-12	-2	6	12	18	24	30	39	46	53	57	59	57	54	49	41	29	18
8	0	-7	-10	-8	-6	-7	-4	1	4	6	6	6	7	11	14	14	14	12	10
7	4	4	7	11	15	17	16	18	26	35	41	43	44	43	40	34	29	25	19
13	8	3	2	1	0	0	2	3	4	5	6	9	13	16	19	22	27	31	35
38	35	30	22	16	11	3	-5	-12	-22	-31	-37	-42	-45	-49	-54	-56	-54	-51	-48
-46	-44	-41	-38	-33	-27	-22	-16	-10	-5	0	5	8	11	11	7	2	-3	-7	-9
-10	-12	-14	-16	-18	-19	-21	-23	-24	-26	-27	-28	-30	-31	-32	-32	-31	-28	-26	-24
-20	-15	-10	-6	-3	0	2	4	4	1	-1	0	2	4	6	9	11	13	16	17
15	13	10	6	1	-5	-11	-15	-14	-12	-13	-13	-14	-13	16	19	25	31	34	35
32	29	25	21	16	8	-1	-4	-7	-11	-9	-12	-16	-20	-23	-23	-22	-21	-2	-2
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[illegible]

I11305 54.002.0  
 STATION NO. 28  
 INSTR PERIOD = 0.065 SEC  
 DAMPING = 0.528  
 CENTRAL CALIFORNIA EARTHQUAKE APR 25, 1954 - 1234 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 36 56 00N, 121 41 0  
 COMP SO1W 36 51 00N, 121 24

PEAK VALS  
 ACCLN = 48.9 CM/SEC/SEC AT 2.52 SEC  
 VELO = 4.5 CM/SEC AT 1.98 SEC  
 DISP = 1.4 CM AT 13.28 SEC

INITIAL VELO = -0.03092 CM/SEC  
 INITIAL DISP = 0.17738 CM  
 2870 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

110	89	51	-1	-35	-42	-33	-21	-7	9	22	16	-27	-81	-108	-107	-74	-31	3	30
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220	135	128	239	378	467	489	417	282	171	122	74	1	-77	-179	-253	-247	-190	-149	-135
-147	-186	-222	-190	-94	-3	67	111	93	-7	-93	-133	-134	-57	49	150	250	309	313	274
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78	79	97	74	11	-50	-97	-111	-87	-40	0	24	40	34	-13	-77	-132	-205	-261	-261
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17	17	12	12	16	16	12	8	4	-8	-1	-4	-3	-1	0	0	2	7	9	7
4	2	0	-2	-3	-3	-4	-5	-7	-8	-8	-5	-1	0	-2	-3	-4	-4	-5	-5
-5	-6	-7	-5	0	6	10	11	11	9	5	5	8	12	13	13	13	10	8	7

[illegible]

PEAK VALS	ACIN =	-23.1	CM/SEC/SEC AT	0.06 SEC	VELO =	1.9	CM/SEC AT	7.66 SEC	DISP =	1.1	CM AT	9.88 SEC
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INITIAL VELO = 1.10204 CM/SEC INITIAL DISP = 0.33208 CM

2874	INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.
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91	1.00
92	1.00
93	1.00
94	1.00
95	1.00
96	1.00
97	1.00
98	1.00
99	1.00
100	1.00

200	21	-138	-231	-199	-85	8	28	0	-22	-58	-85	19	126	127	8
126	-181	-115	-30	17	60	97	114	95	44	-48	-46	-64	-23	12	21
-33	-99	-102	-46	32	84	90	71	82	112	-68	-46	-51	14	-57	-89
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116	103	59	36	36	48	63	67	38	-9	-23	92	76	-78	-53	-53
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15	-3	-24	-42	-62	-88	-109	-108	-70	-4	-62	-50	3	100	116	111
80	43	14	-15	-36	-41	-34	-22	-8	9	71	42	-9	-79	-81	-75
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134	115	52	-22	-49	-47	-27	-24	-45	-61	8	14	-9	-47	-51	-41
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-3	6	2	-3	-5	-5	-1	-1	2	4	4	0	-17	-4	-2	-4	-1
-7	-6	-9	-10	-10	-14	-14	-14	-15	-15	-16	-16	-17	-17	-18	-19	-10
-6	-5	-4	-9	-11	-11	1	3	6	9	10	9	9	8	6	6	7
7	8	3	6	7	7	6	4	4	3	1	-2	-7	-7	-8	-8	-7
-5	0	-7	-7	-7	-7	-7	-7	-7	-7	-8	-8	-9	-9	-9	-9	-8
0	0	1	2	4	4	4	4	4	4	5	6	4	5	7	8	8
8	-12	8	-10	-10	-7	2	2	1	1	-5	-1	-6	-7	-9	-12	-14
-13	-4	-5	-6	-6	-3	-5	-5	-5	-4	-3	-1	-3	-3	2	1	-1
8	8	7	5	5	3	1	4	4	3	2	8	8	-11	9	10	9
-6	-6	-3	-2	-2	0	2	2	3	5	-6	8	-10	-11	7	4	-5
5	5	5	4	4	4	6	6	6	2	1	6	8	8	8	7	4
8	9	7	4	4	4	5	5	5	7	1	8	6	8	7	7	7
-2	-2	1	3	3	2	-2	-6	-6	-5	-3	6	-7	-6	3	1	-1

2	4	5	4	3	3	2	1	2	3	0	-5	-7	-7	-8	-9	-11	-12	-13
-13	-14	-13	-10	-6	-5	-4	-3	-4	-5	-6	-8	-9	-7	-4	-2	0	0	1
4	6	6	4	3	2	3	4	3	1	0	0	0	-1	-3	0	2	3	3
1	-1	-4	-3	1	3	1	1	4	5	7	8	6	5	-3				

IIU306 55.002.0 WEST CENTRAL CALIFORNIA EARTHQUAKE SEPT 4, 1955 - 1801 PST EPICENTER - 37 22 00N, 121 47 0  
STATION NO. 000 BANK OF AMERICA BUILDING, 13TH FL., SAN JOSE, CAL. COMP N59E 37 19 48N, 121 52  
INSTR PERIOD = 0.046 SEC DAMPING = 0.552 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 65.0 CM/SEC/SEC AT 0.92 SEC VELO = 7.1 CM/SEC AT 11.24 SEC DISP = -2.2 CM AT 1.28 SEC

2866 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
INITIAL VELO = 0.23453 CM/SEC INITIAL DISP = 0.54561 CM

-19	24	-7	-68	-140	-160	-125	-55	-5	-15	-14	-12	-16	-27	-45	-71	-96	-90	-58	-70
-137	-180	-151	-100	-47	2	63	144	165	146	127	55	-113	-247	-285	-264	-338	-397	-352	-223
105	372	340	151	209	604	650	314	-80	-281	-45	74	118	86	-481	-34	361	89	-193	-292
85	372	337	374	383	371	303	211	74	-48	-45	74	118	86	78	162	0	-408	-388	342
374	191	110	110	87	15	-52	-96	-96	-5	117	119	78	55	82	112	96	-7	-131	-118
-16	-16	-61	-199	-342	-378	-295	-180	-110	-118	-126	-117	-85	-56	-33	-12	9	37	38	-7
-76	-125	-137	-137	-132	-146	-179	-236	-268	-265	-264	-245	-186	-74	1	8	44	92	111	118
145	165	127	66	4	-43	-60	-65	-36	25	93	118	115	105	77	38	12	22	47	50
46	40	52	77	127	184	236	279	277	257	218	167	113	89	110	135	130	122	109	92
84	90	110	127	120	80	30	-25	-63	-63	-23	40	47	17	-35	-92	-116	-108	-65	-25
-25	-53	-93	-112	-107	-78	-44	-43	-64	-91	-125	-188	-238	-250	-231	-188	-166	-189	-210	-218
-192	-144	-94	-57	-36	-31	-36	-51	-72	-88	-76	-65	-59	-69	-79	-92	-89	-67	-30	11
43	66	90	91	83	74	89	119	130	125	110	100	96	93	87	86	82	70	54	32
5	-27	-39	-17	26	113	201	231	253	301	361	409	422	404	337	255	190	103	23	-56
-126	-164	-195	-208	-212	-188	-131	-47	28	96	100	67	19	-32	-91	-122	-124	-145	-199	-244
-255	-232	-209	-196	-161	-112	-71	-37	-35	-45	-49	-38	-26	-38	-78	-143	-167	-137	-74	-61
-75	-88	-89	-82	-76	-70	-70	-75	-82	-82	-75	-59	-33	-12	13	63	133	210	249	240
224	204	198	192	164	122	67	-7	-75	-111	-110	-91	-60	-5	53	109	151	202	284	372
405	379	324	274	244	217	154	78	-13	-92	-142	-189	-230	-275	-306	-300	-261	-203	-201	-184
-135	-71	0	84	147	211	275	274	242	175	129	81	37	2	-56	-140	-235	-329	-378	-403
-397	-373	-336	-285	-216	-156	-109	-61	-3	70	129	140	125	106	79	50	15	-12	-26	-45
-63	-79	-89	-91	-91	-86	-80	-55	-14	13	25	39	53	76	94	95	86	78	65	47
36	25	23	37	62	89	106	129	153	186	221	220	220	219	216	206	193	178	168	150
131	116	100	72	32	-16	-62	-102	-136	-159	-174	-181	-182	-171	-155	-114	-54	-6	33	83
118	126	119	103	74	26	-30	-81	-147	-225	-255	-287	-316	-341	-351	-348	-343	-340	-338	-336
-326	-288	-212	-158	-120	-80	-16	76	155	206	231	228	214	178	126	63	-5	-53	-102	-136
-162	-195	-209	-205	-173	-108	-65	-11	57	130	224	307	382	455	467	454	431	402	376	341
289	237	186	127	88	67	40	26	36	57	89	117	139	149	159	163	169	171	165	148
113	60	16	-25	-66	-93	-130	-152	-175	-201	-212	-216	-223	-230	-236	-230	-214	-201	-195	-193
-181	-163	-138	-105	-68	-48	-31	-13	-8	-22	-35	-53	-83	-109	-134	-159	-194	-224	-261	-286
-289	-268	-239	-210	-167	-129	-94	-41	4	35	56	78	100	113	110	107	103	98	92	86
74	62	46	36	41	49	59	69	84	103	115	122	134	143	147	150	156	167	178	187
199	203	204	203	196	193	189	181	165	142	117	90	61	42	22	4	-6	-15	-25	-33
-38	-35	-30	-30	-35	-41	-45	-51	-60	-72	-85	-102	-126	-148	-166	-174	-181	-186	-188	-187
-183	-179	-177	-171	-156	-144	-129	-114	-96	-78	-62	-49	-20	6	14	21	24	25	24	26
27	29	32	36	41	45	49	52	57	63	72	83	96	108	120	129	137	140	145	152
158	161	164	160	143	124	105	84	56	21	-21	-66	-97	-102	-95	-84	-71	-57	-40	-14
18	43	52	52	37	26	7	-25	-56	-90	-124	-146	-155	-159	-164	-160	-148	-129	-114	-108
-102	-99	-96	-95	-95	-95	-93	-88	-79	-68	-57	-43	-24	-8	1	1	-4	-10	-18	-26
-27	-28	-31	-31	-27	-18	-1	13	26	51	76	98	119	127	130	131	130	131	131	131



131	133	135	135	135	127	119	112	107	103	98	91	83	85	83	86	89	90	89	86
82	78	73	62	24	29	3	-23	-41	-57	-69	-81	-85	-163	-166	-168	-62	-45	-35	-71
-29	-29	-31	-38	-105	-66	-85	-104	-121	-134	-144	-152	-159	-178	-166	-168	-162	-155	-149	-139
27	24	19	18	23	28	46	64	81	104	121	126	119	113	106	97	87	72	49	36
-9	-29	-38	-42	-47	-45	-43	-41	-34	-24	-15	-7	0	7	13	15	15	15	15	24
12	9	4	-1	-6	-12	-17	-20	-19	-19	-17	-14	-11	-6	2	12	17	19	18	15
11	4	-1	-8	-15	-24	-35	-45	-51	-62	-67	-69	-72	-73	-71	-69	-69	-63	-51	-35
-25	-18	-9	0	9	16	21	23	26	28	26	24	24	21	16	12	9	9	9	10
13	21	32	50	69	79	92	102	103	102	102	99	91	83	75	68	62	52	43	38
33	28	26	24	20	17	15	14	11	5	2	-1	-5	-10	-15	-19	-23	-28	-30	-30
-30	-30	-30	-32	-43	-54	-63	-70	-79	-93	-106	-118	-130	-140	-149	-148	-139	-128	-119	-112
-99	-80	-61	-43	-30	-13	-5	-5	-5	-9	-12	-15	-17	-19	-20	-19	-18	-15	-12	-7
3	13	25	38	48	57	62	64	62	58	54	48	42	38	34	32	26	23	19	16
19	23	26	28	30	30	33	39	48	61	74	87	98	105	116	124	121	119	118	116
109	99	86	68	46	27	9	-8	-21	-29	-34	-34	-34	-34	-34	-32	-28	-24	-21	-19
-19	-19	-19	-20	-22	-24	-25	-29	-36	-43	-52	-65	-81	-89	-95	-98	-96	-90	-86	-76
-64	-53	-36	-18	-8	-4	-4	-6	-9	-12	-17	-25	-32	-38	-41	-42	-39	-38	-37	-34
-28	-21	-15	-11	-9	79	77	75	75	73	69	64	58	55	55	54	8	16	23	32
50	64	65	74	80	79	77	75	75	73	69	64	58	55	55	54	52	49	48	46
42	37	35	36	33	28	21	14	11	9	3	1	2	1	-1	-4	-4	-7	-11	-18
-28	-39	-47	-55	-61	-68	-68	-61	-56	-50	-42	-30	-17	-10	-8	-2	2	2	1	0
-2	-8	-15	-20	-25	-30	-33	-33	-33	-32	-30	-29	-31	-30	-23	-17	-14	-11	-6	-2
0	3	8	13	16	18	21	24	26	26	26	26	26	26	25	22	21	21	21	21
21	21	19	17	16	17	17	17	17	20	25	26	26	26	31	31	31	29	26	22
17	12	6	2	-2	-5	-8	-12	-17	-20	-22	-23	-23	-23	-24	-26	-28	-30	-32	-32
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52	51	51	51	51	48	40	34	26	18	13	13	16	15	12	12	13	16	17	18
21	24	26	28	31	32	32	38	44	49	49	45	42	39	34	30	27	23	16	8
-2	-12	-19	-23	-26	-30	-33	-33	-33	-33	-33	-34	-35	-38	-41	-44	-47	-49	-51	-53
-55	-57	-58	-58	-58	-58	-58	-59	-61	-59	-55	-53	-53	-52	-51	-48	-46	-45	-43	-43
-43	-41	-38	-35	-29	-24	-17	-9	-1	7	15	20	24	30	38	48	55	61	68	75
78	81	84	84	84	84	84	81	75	69	63	55	44	33	22	13	9	3	-2	-4
-5	-5	-5	-5	-5	-4	0	6	9	11	14	15	15	15	14	12	7	0	-12	-26
-34	-40	-52	-62	-66	-68	-65	-58	-53	-44	-32	-19	-11	-6	-5	-1	4	4	1	-2
-5	-11	-19	-25	-34	-38	-40	-43	-43	-39	-33	-30	-25	-20	-14	-10	-5	1	4	4
6	8	9	9	9	9	8	6	0	-5	-6	-6	-4	0	3	5	10	19	27	35
41	39	33	29	25	21	14	2	-8	-15	-19	-23	-25	-27	-26	-24	-21	-17	-12	-9
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38	42	45	47	48	52	55	57	56	53	51	48	38	33	30	24	17	8	0	-8
-15	-18	-21	-25	-30	-35	-37	-34	-33	-33	-33	-32	-29	-30	-32	-34	-37	-38	-38	-38
-39	-41	-43	-42	-42	-40	-37	-32	-26	-22	-17	-13	-13	-13	-13	-13	-14	-16	-18	-18
-20	-22	-23	-23	-22	-20	-18	-15	-13	-12	-9	-6	-1	6	11	15	22	32	35	36
36	39	44	44	41	41	41	43	45	41	35	29	24	23	24	20	18	21	22	25
26	26	27	32	34	35	40	41	43	45	43	41	39	33	26	20	14	8	4	-1
-5	-11	-15	-17	-14	-10	-10	-13	-16	-17	-15	-12	-9	-9	-17	-14	-17	-20	-22	-23
-23	-28	-34	-37	-40	-42	-42	-42	-41	-38	-35	-31	-27	-22	-17	-14	-12	-10	-8	-5
-4	-6	-9	-13	-15	-16	-14	-15	-16	-13	-8	-4	-3	-3	-3	-3	-3	-3	-3	-3
-3	-3	-3	-3	-3	-3	-2	0	2	5	8	9	11	14	18	21	22	22	22	22



[illegible]



-83	-99	-116	-131	-144	-151	-157	-161	-158	-156	-153	-149	-144	-135	-117	-99	-82	-65	-51	-38
-29	-25	-28	-41	-53	-67	-84	-101	-117	-128	-135	-131	-119	-108	-95	-79	-60	-42	-25	-12
2	16	27	38	49	60	72	83	95	107	119	132	143	149	143	132	121	110	95	79
65	55	48	47	47	47	46	42	35	26	13	0	-13	-26	-36	-41	-41	-34	-24	-5
18	40	64	87	109	128	145	158	162	163	152	139	129	121	111	99	86	74	62	51
42	32	22	13	4	-4	-12	-20	-27	-33	-39	-40	-42	-43	-45	-47	-50	-52	-55	-59
-64	-69	-75	-82	-89	-97	-105	-115	-124	-133	-142	-148	-155	-162	-169	-175	-181	-186	-184	-173
-160	-146	-132	-118	-105	-91	-81	-72	-64	-55	-48	-40	-33	-27	-21	-15	-9	-3	3	8
13	16	16	16	16	18	21	23	26	28	32	39	48	59	72	86	101	117	133	153
170	179	186	191	193	194	195	193	191	186	178	172	166	162	158	154	149	143	134	123
111	99	87	76	67	58	49	42	36	32	31	31	31	31	30	22	12	2	-12	-29
-46	-66	-85	-104	-125	-147	-168	-184	-198	-211	-223	-232	-237	-237	-234	-230	-221	-211	-196	-179
-163	-149	-135	-121	-111	-103	-94	-87	-80	-72	-65	-59	-53	-47	-41	-34	-28	-20	-11	-2
7	15	23	29	36	43	51	60	69	81	95	109	124	141	158	172	179	184	182	174
166	155	142	130	119	114	111	107	104	101	98	93	87	81	72	58	43	29	16	6
-3	-7	-4	0	3	6	9	11	9	3	-2	-10	-18	-27	-36	-45	-52	-59	-66	-73
-78	-84	-89	-93	-95	-97	-101	-108	-114	-122	-132	-142	-149	-150	-141	-131	-121	-110	-99	-88
-75	-63	-56	-55	-54	-56	-60	-64	-66	-63	-57	-47	-35	-23	-7	12	29	43	56	68
78	89	97	103	112	126	143	160	182	206	227	246	263	276	277	270	260	247	226	204
183	161	139	117	96	77	59	40	22	5	-12	-29	-46	-63	-84	-109	-134	-153	-164	-171
-174	-176	-175	-172	-170	-168	-166	-163	-160	-159	-161	-165	-169	-175	-182	-190	-198	-205	-213	-220
-226	-232	-234	-235	-231	-222	-208	-187	-167	-147	-128	-109	-90	-71	-53	-34	-16	2	21	39
57	76	94	112	129	144	159	175	190	205	219	232	245	256	264	271	279	284	286	287
284	275	266	256	246	236	226	216	206	197	188	180	172	162	149	134	119	100	79	58
38	19	8	0	-9	-18	-29	-40	-51	-62	-74	-90	-111	-131	-152	-175	-199	-224	-249	-273
-297	-315	-318	-317	-317	-317	-317	-317	-317	-317	-317	-317	-315	-306	-293	-273	-252	-232	-211	-191
-174	-158	-142	-128	-119	-111	-101	-91	-79	-66	-54	-40	-23	-5	12	32	53	74	95	115
137	160	183	206	229	254	283	311	338	354	364	375	382	385	380	369	353	336	319	302
286	269	253	236	219	201	184	166	148	129	110	91	71	47	20	-1	-17	-33	-48	-59
-69	-79	-89	-99	-110	-123	-138	-152	-167	-182	-201	-222	-242	-262	-277	-289	-292	-288	-284	-279
-275	-270	-266	-261	-257	-253	-248	-239	-225	-209	-192	-174	-156	-138	-121	-106	-91	-77	-63	-53
-44	-37	-30	-22	-11	3	17	31	45	59	76	97	119	143	170	195	221	243	263	281
294	298	298	292	283	270	258	244	228	212	197	183	171	159	147	135	123	111	99	86
74	62	50	38	28	17	7	-4	-14	-23	-31	-40	-48	-56	-65	-74	-86	-97	-108	-118
-128	-136	-144	-149	-153	-153	-150	-147	-141	-135	-131	-129	-130	-132	-134	-136	-138	-137	-129	-120
-111	-101	-87	-72	-60	-52	-46	-47	-48	-49	-50	-50	-50	-50	-47	-39	-29	-18	-6	6
17	26	36	46	54	61	70	79	88	96	104	113	127	147	165	178	189	200	207	204
195	181	166	151	136	122	112	105	100	96	92	88	84	80	72	62	52	41	31	20
10	1	-5	-11	-14	-18	-21	-23	-24	-25	-27	-34	-46	-58	-69	-80	-94	-110	-127	-143
-157	-166	-175	-178	-180	-181	-179	-175	-170	-163	-154	-146	-135	-120	-106	-92	-79	-66	-53	-40
-28	-17	-7	4	14	23	33	40	45	49	54	58	62	66	70	73	77	81	85	89
93	96	100	103	105	108	111	114	116	118	120	122	122	120	119	115	106	97	87	75
62	50	40	31	22	15	10	5	0	-6	-11	-16	-21	-26	-27	-27	-27	-27	-27	-27
-26	-24	-23	-22	-24	-28	-31	-35	-39	-43	-48	-53	-59	-64	-69	-74	-79	-84	-89	-91
-91	-90	-86	-80	-75	-67	-60	-53	-48	-43	-37	-32	-27	-22	-17	-12	-8	-3	2	5
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48	52	55	59	63	66	70	72	75	77	78	76	72	67	60	53	46	39	32	24
16	9	2	-5	-12	-17	-21	-25	-28	-31	-34	-36	-39	-42	-45	-48	-51	-53	-56	-58
-61	-63	-65	-67	-69	-70	-70	-70	-70	-70	-70	-70	-69	-67	-63	-57	-50	-44	-38	-31
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85	81	76	72	65	56	49	42	36	30	24	18	11	5	-1	-6	-9	-13	-16	-19
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19	23	28	31														15	16	17





ITU307 60.001.0  
STATION NO. 28  
INSTR PERIOD = 0.067 SEC  
DAMPING = 0.592  
CENTRAL CALIFORNIA EARTHQUAKE JAN 19, 1960 - 1926 PST  
PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 36 47 00N, 121 26 0  
COMP N89W 36 51 00N, 121 24

PEAK VALS ACCLN = -55.5 CM/SEC/SEC AT 1.06 SEC VELO = -5.3 CM/SEC AT 3.90 SEC DISP = 1.9 CM AT 3.74 SEC

INITIAL VELO = -1.73924 CM/SEC INITIAL DISP = -1.00212 CM

3836 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-273	-230	-157	-35	76	154	205	233	247	242	226	193	159	149	171	208	242	292	337	326
261	171	74	21	10	8	-33	-109	-193	-259	-260	-147	3	93	108	27	-75	-148	-224	-259
-231	-162	-75	25	176	298	313	241	67	-161	-338	-472	-548	-555	-483	-356	-150	141	359	479
445	281	111	-34	-109	-152	-193	-196	-144	-62	13	67	118	183	240	242	116	-18	-75	-103
-139	-183	-212	-170	-73	24	94	71	-25	-86	-108	-104	-76	7	133	227	238	174	117	99
124	165	200	212	141	-48	-194	-203	-117	-44	-24	-30	-42	-69	-119	-157	-164	-165	-174	-188
-151	-59	79	126	33	-58	-128	-189	-199	-128	1	150	247	289	277	218	168	156	183	211
202	163	126	96	66	32	13	-11	-54	-100	-183	-259	-248	-175	-95	-44	-44	-94	-171	-228
-256	-242	-180	-86	37	147	196	227	259	289	314	291	195	81	-50	-165	-206	-194	-146	-75
-12	16	13	-1	-8	-53	-108	-210	-341	-410	-436	-433	-369	-262	-154	-36	106	256	368	431
421	343	247	135	55	5	-20	-15	5	30	53	78	106	134	170	194	187	163	116	45
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[illegible]

IIU307 60.001.0  
STATION NO. 28  
INSR PERIOD = 0.066 SEC DAMPING = 0.574  
CENTRAL CALIFORNIA EARTHQUAKE JAN 19, 1960 - 1926 PST  
PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 36 47 00W, 121 26 0  
COMP SOIM 36 51 00N, 121 24

PEAK VALS ACIN = -35.3 CM/SEC/SEC AT 0.64 SEC VELO = -3.6 CM/SEC AT 0.32 SEC DISP = -1.2 CM AT 1.98 SEC

INITIAL VELO = 1.02744 CM/SEC INITIAL DISP = 0.78995 CM  
3836 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-235	-248	-237	-176	-124	-140	-184	-185	-138	-96	-98	-124	-159	-154	-102	-55	6	94	210	304
309	263	234	197	147	103	67	27	-27	-136	-260	-328	-353	-288	-191	-112	26	196	281	207
95	134	236	229	127	17	-54	-113	-107	-5	100	131	75	-16	-84	-95	-54	20	94	128
85	-20	-123	-183	-163	-101	-43	30	110	172	220	225	199	134	-40	-196	-222	-189	-180	-225
-276	-292	-214	-27	170	300	281	159	-5	-90	-48	24	48	3	-47	-18	70	143	192	213
201	164	104	39	-7	-11	40	102	143	109	2	-76	-60	20	75	53	-36	-143	-236	-264
-192	-55	75	79	-69	-204	-242	-180	-74	12	91	154	148	63	-44	-92	-60	-4	38	49
37	25	34	46	51	62	80	104	131	93	26	-25	-34	-1	36	44	10	-34	-56	-55
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-172	-75	52	141	193	223	212	164	110	49	-19	-60	-69	-57	-42	-49	-79	-126	-161	-159
-124	-96	-93	-104	-110	-107	-101	-90	-69	-34	11	40	35	15	-5	-23	-42	-67	-85	-56
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-106	-122	-140	-156	-159	-149	-126	-96	-54	-2	79	146	150	137	123	95	40	-16	-43	-49
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-28	-31	-34	-36	-39	-38	-35	-31	-28	-25	-23	-20	-17	-14	-9	-6	-4	-2	0
0	0	0	0	0	0	-1	-1	-1	0	1	2	3	3	1	1	1	3	5
5	4	3	3	2	0	0	0	2	3	4	4	4	4	3	0	-5	-6	-2
4	9	13	14	14	14	12	8	2	-3	-8	-7	-6	-6	-9	-11	-13	-12	-10
-9	-8	-7	-7	-6	-5	-2	0	2	6	10	14	15	16	17	17	16	15	14
14	12	10	8	6	3	1	-2	-5	-8	-10	-9	-9	-9	-9	-9	-10	-13	-18
-22	-24	-24	-23	-20	-17	-14	-11	-9	-8	-6	-1	5	10	12	12	12	11	11
11	11	10	10	11	13	14	13	12	9	5	1	-2	-5	-9	-9	-9	-8	-7
-6	-4	-3	-1	0	3	5	7	9	11	11	11	11	11	10	9	8	7	6
3	1	-2	-5	-9	-13	-14	-12	-11	-10	-10	-11	-13	-12	-11	-10	-8	-6	-2
1	4	7	9	9	9	8	7	5	3	2	0	-1	-2	-6	-7	-9	-10	-12
-12	-10	-8	-5	-3	-1	1	4	6	9	11	13	15	17	18	18	20	21	22
19	14	10	5	1	-3	-6	-6	-7	-8	-10	-11	-10	-9	-8	-8	-9	-10	-10
-10	-11	-11	-12	-12	-12	-12	-12	-11	-10	-8	-5	-3	-2	0	2	4	6	8
9	11	13	13	13	13	13	11	8	6	4	2	0	0	1	1	1	0	-1
-2	-3	-4	-4	-5	-5	-5	-6	-5	-4	-3	-1	0	2	5	7	9	11	12
12	12	10	8	7	5	4	4	4	5	4	3	1	-1	-4	-5	-5	-5	-5
-5	-6	-5	-4	-3	-1	0	2	4	6	8	9	9	9	8	8	7	6	5
4	3	2	0	-1	-4	-7	-8	-8	-8	-7	-6	-5	-1	1	2	3	5	7
8	9	11	13	14	14	12	11	10	10	10	10	9	9	8	8	7	6	5
3	0	-2	-2	-2	-2	-2	-2	-2	-1	-1	0	0	1	1	1	0	-1	-1
-1	0	1	1	1	-1	-1	-1	-1	0	1	1	1	1	0	1	1	2	1
1	1	2	2	2	3	4	5	7	8	8	7	6	5	4	3	2	1	-1
-3	-4	-6	-6	-6	-7	-9	-11	-12	-12	-12	-11	-10	-10	-9	-9	-8	-7	-7
-7	-6	-6	-5	-4	-3	-1	0	3	6	8	10	13	14	16	17	18	18	18
18	18	17	17	16	15	14	12	10	8	6	5	4	3	2	2	-1	-3	-4
-4	-6	-8	-10	-11	-12	-13	-14	-15	-15	-13	-11	-11	-11	-11	-11	-11	-11	-11
-11	-11	-11	-11	-10	-9	-7	-6	-5	-5	-3	-2	-1	1	3	6	8	9	10
12	12	10	8	6	6	5	4	2	1	-1	-2	-2	-2	-3	-4	-4	-4	-4

[illegible]



IIU307 60.001.0 CENTRAL CALIFORNIA EARTHQUAKE JAN 19, 1960 - 1926 PST EPICENTER - 36 47 OOW, 121 26 0  
 STATION NO. 28 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP 36 51 OON, 121 24  
 INSTR PERIOD = 0.068 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 23.6 CM/SEC/SEC AT 1.28 SEC VELO = -2.1 CM/SEC AT 2.92 SEC DISP = 1.1 CM AT 28.94 SEC

INITIAL VELO = 0.78188 CM/SEC INITIAL DISP = 0.20962 CM

3835 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

30	2	-48	-61	1	56	64	12	-70	-136	-157	-113	-36	47	67	-3	-85	-92	-41	8
1	-33	-34	-17	-10	-2	-6	-10	20	87	82	-2	-82	-54	55	123	139	120	52	-36
-74	-51	-37	-79	-133	-105	-74	-89	-87	-29	68	159	174	89	-22	-94	-140	-180	-193	-135
-32	65	160	223	236	189	119	72	40	15	4	6	6	12	30	51	61	53	26	4
0	3	4	-9	-63	-140	-163	-109	-46	-25	-28	-38	-49	-62	-104	-123	-62	-13	-20	-53
-77	-100	-103	-65	7	81	97	72	58	44	20	11	47	102	161	168	82	-4	-39	-2
82	163	180	106	32	25	58	78	27	-86	-189	-208	-167	-124	-93	-65	-51	-59	-85	-110
-116	-113	-111	-101	-73	-33	2	25	47	88	142	172	159	113	56	44	81	141	186	184
117	42	28	49	65	61	13	-50	-105	-132	-132	-129	-140	-146	-128	-101	-89	-93	-90	-58
-10	36	48	29	36	72	117	146	129	104	101	123	160	189	174	111	37	-27	-56	-61
-53	-48	-64	-80	-72	-59	-60	-80	-111	-137	-144	-132	-101	-59	-25	-8	5	19	31	43
54	67	73	64	48	39	41	56	68	67	44	11	-7	-13	-17	-29	-54	-77	-102	-125
-131	-119	-84	-30	20	60	92	111	117	115	103	91	81	69	55	41	26	19	25	36
46	52	56	52	23	-24	-78	-115	-127	-125	-119	-107	-91	-63	-3	59	108	129	110	57
-10	-67	-111	-143	-149	-115	-58	-3	50	82	87	68	30	-4	-27	-67	-67	-75	-66	-40
-5	13	9	3	5	18	28	29	25	26	24	12	-15	-44	-55	-34	3	31	57	72
71	52	9	-23	-27	-17	-1	12	12	6	6	9	12	13	13	16	24	34	38	40
37	25	13	1	-13	-27	-37	-36	-22	-1	15	24	21	8	-6	-9	-5	-3	-9	-11
-6	4	-1	-23	-54	-85	-98	-87	-65	-36	-1	24	34	34	25	15	6	3	7	12
16	18	19	19	20	17	4	-12	-32	-64	-95	-98	-80	-53	-19	17	39	47	42	30
19	12	12	19	29	39	46	49	48	47	45	42	40	37	35	36	38	44	48	48
40	25	-2	-18	-25	-29	-36	-46	-52	-49	-37	-27	-28	-42	-60	-71	-67	-55	-43	-35
-27	-21	-16	-10	-2	15	37	64	82	83	69	46	23	3	-9	-16	-17	-14	-13	-19
-28	-40	-51	-64	-74	-65	-43	-25	-16	-9	-3	1	4	7	8	11	17	28	41	52
59	61	59	52	42	34	28	26	20	9	-10	-32	-61	-79	-74	-53	-21	8	21	21
19	14	6	0	-5	-8	-10	-12	-14	-16	-17	-18	-16	-13	-9	-4	4	13	25	36
47	57	64	66	60	53	44	33	16	1	-12	-26	-39	-44	-44	-43	-44	-50	-59	-66
-69	-65	-53	-32	-9	7	22	39	51	57	52	39	23	8	-3	-7	-7	-9	-12	-13
-10	-7	-14	-10	-17	-25	-31	-28	-20	-12	-6	-3	0	5	9	11	9	2	-4	-4
2	9	14	13	8	5	3	-2	-9	-13	-16	-17	-15	-13	-11	-6	6	24	46	58
61	60	57	53	46	37	22	6	-9	-22	-33	-42	-46	-48	-49	-50	-51	-53	-54	-49
-39	-27	-12	2	14	28	41	45	45	41	33	27	22	19	18	15	12	8	6	4
0	-2	-4	-4	-3	1	4	5	3	-1	-6	-14	-24	-34	-41	-45	-43	-37	-32	-26
-18	-14	-15	-18	-22	-24	-24	-23	-20	-16	-15	-15	-16	-16	-11	-10	-25	-34	-34	-28
57	65	68	69	69	-24	66	63	59	54	49	44	38	26	9	-10	9	18	24	25
-21	-14	-11	-12	-12	-15	-21	-25	-25	-25	-24	-23	-19	-13	-7	0	-8	-2	5	11
22	16	9	3	-4	-11	-17	-20	-22	-21	-17	-12	-11	-12	-15	-14	-8	-24	-25	-24
13	12	9	8	10	11	11	12	13	14	15	13	5	-5	-16	-22	-23	-24	5	-1
-21	-12	-1	10	16	18	18	17	15	14	13	12	10	11	14	15	13	10	5	-1
-7	-13	-18	-22	-26	-29	-32	-32	-27	-18	-2	12	21	27	32	32	30	27	22	14

5	0	-2	-3	-4	-7	-9	-10	-9	-10	-9	-10	-13	-18	-21	-21	-19	-18	-19	-21	-20	-15
-9	-4	-44	-43	-40	-37	-22	-24	-22	-25	-28	-25	-20	-13	-18	-21	-19	-18	-19	-12	-20	-28
-38	44	35	24	14	2	-6	-11	-30	-15	-15	-17	-18	-16	-16	-11	5	4	5	29	35	42
-7	-11	-13	-9	-9	3	9	9	14	19	14	19	22	25	28	31	36	38	38	32	24	12
-2	-16	-26	-32	-33	-30	-26	-21	-16	-12	-12	-12	-8	-4	0	3	5	5	3	0	-4	-7
-10	-12	-14	-13	-10	-6	0	6	13	18	-17	-19	20	21	22	20	18	15	13	7	0	-7
-12	-16	-18	-16	-13	-11	-12	-14	-17	-19	-14	-19	-20	-18	-15	-11	-11	-14	-16	-14	-11	-5
-2	-2	-2	-3	-1	5	12	14	14	14	14	14	13	12	11	11	12	14	17	20	24	26
26	27	25	24	23	23	20	17	12	5	12	5	-2	-8	-14	-17	-19	-19	-18	-16	-12	-9
-9	-9	-9	-12	-14	-15	-14	-12	-9	-6	-9	-6	-4	-4	-5	-8	-12	-14	-13	-10	-7	-5
-6	-7	-7	-5	-3	0	4	8	12	13	12	13	14	13	10	7	4	-1	-6	-11	-15	-19
-22	-23	-20	-16	-11	-6	-2	0	1	2	23	14	3	3	4	8	14	20	28	35	40	44
46	48	49	49	47	42	37	31	23	14	6	-2	-2	-2	-9	-14	-20	-25	-33	-43	-48	-47
-47	-46	-46	-47	-46	-43	-39	-35	-30	-22	-30	-22	-15	-11	-7	-3	3	9	14	20	25	31
36	39	38	35	33	31	28	24	19	14	10	5	10	5	0	-3	-5	-7	-8	-7	-6	-7
-11	-15	-19	-22	-20	-17	-14	-11	-7	-4	4	4	0	4	10	15	19	22	25	26	24	20
15	8	2	-4	-9	-12	-14	-15	-14	-11	-14	-11	-9	-6	-4	-2	0	3	7	10	13	13
13	11	9	7	6	6	6	6	5	3	5	3	2	0	-1	-2	-3	-4	-4	-4	-5	-5
-7	-8	-10	-14	-19	-27	-35	-37	-34	-30	-34	-30	-26	-22	-17	-13	-8	-5	-1	3	8	13
15	16	16	15	14	14	14	15	16	16	16	16	16	16	15	13	11	9	9	8	7	7
6	6	6	10	10	12	14	14	14	14	14	14	15	16	18	19	20	21	20	17	15	12
9	5	1	-4	-9	-14	-18	-23	-30	-35	-30	-35	-34	-33	-29	-21	-13	-9	-7	-5	-5	-9
-11	-10	-7	-5	-2	1	4	7	10	12	10	12	14	16	15	11	7	3	0	-2	-4	-5
-4	-4	-3	-2	-1	5	9	11	12	13	14	14	14	14	14	14	14	13	11	9	6	3
0	-2	-3	-5	-5	-4	-3	-2	0	1	0	2	2	4	5	5	4	-4	-3	2	-1	-3
-4	-4	-2	-3	-6	-6	-4	-1	-1	-1	-1	-1	-1	-3	-4	-5	-4	-4	-3	-4	-5	-4
-3	-1	0	-1	-2	-3	-3	-3	-3	-2	-3	-2	-1	-2	7	9	7	6	6	6	6	7
7	7	7	6	4	1	-1	-3	-4	-4	-4	-4	-5	-7	-9	-10	-12	-13	-13	-15	-16	-18
-18	-17	-15	-14	-12	-10	-7	-4	0	3	0	3	6	8	11	13	16	20	23	26	27	28
29	28	28	24	16	11	6	2	-1	-4	-1	-4	-8	-11	-15	-18	-18	-17	-15	-13	-11	-9
-5	1	6	11	16	20	22	24	26	25	26	25	22	17	13	7	1	-6	-11	-17	-23	-29
-35	-41	-46	-51	-53	-52	-51	-50	-47	-44	-47	-44	-40	-37	-33	-28	-22	-18	-15	-11	-8	-4
0	2	3	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	10	15	20
25	28	29	31	32	31	29	27	25	21	25	21	16	11	6	3	1	-2	-4	-6	-8	-9
-10	-10	-9	-7	-6	-5	-5	-6	-6	-7	-6	-7	-8	-9	-9	-10	-11	-13	-14	-16	-17	-18
-19	-20	-21	-22	-22	-22	-22	-22	-23	-23	-23	-23	-23	-22	-21	-19	-18	-15	-12	-9	-6	-3
0	3	6	9	12	15	17	19	21	22	21	22	23	24	23	22	22	21	20	19	18	18
17	16	15	14	13	11	8	5	2	0	2	0	-2	-5	-6	-7	-8	-8	-9	-9	-10	-10
-11	-11	-11	-11	-11	-10	-10	-11	-13	-15	-13	-15	-16	-16	-17	-17	-16	-15	-13	-11	-9	-7
-5	-2	1	4	6	7	9	10	12	13	12	13	14	15	16	17	17	16	14	11	7	3
0	-1	0	2	3	4	4	5	6	7	6	7	9	10	11	11	10	9	7	5	4	2
0	-2	-4	-5	-7	-8	-9	-10	-11	-11	-11	-11	-11	-10	-8	-6	-4	-3	-2	-1	-1	-2
-2	-3	-3	-3	-3	-2	-2	-1	-1	0	-1	0	1	2	3	4	4	5	6	7	8	9
10	13	16	18	19	20	21	20	18	17	18	17	15	13	11	9	7	5	4	3	2	1
-1	-2	-4	-6	-8	-9	-10	-11	-11	-10	-11	-10	-9	-8	-6	-4	-2	-1	-1	-2	-3	-4
5	6	6	5	3	1	1	-4	-5	-5	-5	-5	-6	-6	-7	-7	-8	-7	-6	-5	-4	-2
0	2	3	3	3	3	2	2	1	0	1	0	0	-1	-1	-2	-2	-2	-2	-2	-2	-2
-2	-2	-1	-1	0	1	1	2	2	4	3	4	4	5	5	6	6	5	4	3	2	1
-2	-2	-1	-1	0	1	1	2	3	4	4	4	4	5	5	6	6	5	4	3	2	1
15	16	16	16	15	15	14	13	12	10	12	10	9	8	7	5	4	3	2	1	0	-1

[illegible]

[illegible]

IIU308 60.002.0 NORTHERN CALIFORNIA EARTHQUAKE JUN 5, 1960 - 1718 PST EPICENTER - 40 49 OON, 124 53 0  
STATION NO. 23 CITY HALL, FERNDALE, CALIFORNIA COMP N46W 40 34 OON, 124 15  
INSTR PERIOD = 0.064 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 57.6 CM/SEC/SEC AT 2.84 SEC VELO = -3.1 CM/SEC AT 7.02 SEC DISP = 1.2 CM AT 6.88 SEC

INITIAL VELO = -0.55655 CM/SEC INITIAL DISP = 0.14465 CM

4114 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

6	22	14	-13	-31	-29	-15	-10	-18	-19	-8	6	14	8	3	5	-3	-23	-33	-23
-6	0	-6	3	21	31	39	54	76	98	93	48	8	-18	-42	-59	-65	-64	-50	-23
3	20	21	1	-26	-44	-51	-49	-39	-27	-6	21	42	58	66	69	64	52	38	26
14	-5	-27	-36	-33	-12	25	56	75	74	47	9	-16	-32	-47	-63	-81	-92	-83	-61
-36	-14	3	23	44	62	70	66	40	-3	-30	-36	-27	-14	0	14	23	28	33	34
34	32	28	23	21	21	23	21	10	-4	-10	-15	-19	-14	-3	10	12	7	1	0
1	2	16	28	30	33	60	103	125	118	41	-99	-229	-296	-286	-259	-256	-268	-189	62
317	479	576	524	363	113	-264	-433	-241	2	115	78	15	29	41	13	-50	-90	0	130
201	151	-21	-174	-231	-182	-112	-94	-75	1	92	142	86	-40	-123	-108	-40	5	26	23
-1	-33	-59	-66	-14	97	164	175	164	123	74	7	-62	-67	-32	-9	-7	-45	-125	-196
-222	-184	-78	16	76	109	104	92	68	21	-31	-69	-86	-86	-73	-20	37	41	9	-13
3	42	48	5	-39	-39	27	83	70	28	-1	-8	-4	11	28	40	45	43	36	20
-26	-74	-64	-25	0	15	20	3	-23	-32	-23	-3	7	-2	-17	-28	-36	-43	-49	-59
-51	-6	41	75	95	81	56	39	19	-11	-51	-77	-69	-43	-14	6	27	61	75	68
61	53	45	41	38	30	13	-15	-46	-50	-36	-13	16	33	38	33	20	8	0	-11
-39	-69	-88	-93	-72	-45	-31	-21	-10	10	40	67	73	53	34	32	40	55	65	45
9	-9	-11	-10	-8	-1	22	52	77	89	93	91	87	88	90	73	43	-18	-101	-144
-153	-156	-179	-235	-286	-265	-195	-210	-275	-320	-267	-64	207	447	543	469	371	252	46	-122
-120	44	177	242	200	13	-249	-442	-503	-438	-260	5	217	241	152	86	81	108	143	158
107	25	-48	-110	-148	-174	-191	-196	-198	-168	-94	19	112	82	-17	-114	-201	-205	-124	-8
101	170	205	205	189	171	146	132	127	126	73	-44	-123	-152	-128	-90	-67	-49	-45	-45
-15	47	75	47	2	-39	-73	-99	-108	-98	-83	-70	-55	-36	-13	19	43	43	30	23
32	49	64	72	65	52	46	51	74	104	122	111	70	14	-57	-99	-85	-39	15	40
27	3	-23	-47	-63	-68	-69	-85	-114	-139	-154	-164	-152	-96	-17	29	40	42	46	64
96	122	108	82	78	96	118	117	84	49	10	-28	-47	-43	-5	37	64	83	88	50
-18	-72	-109	-130	-103	-48	14	68	100	117	117	112	100	71	15	-57	-105	-121	-105	-68
-33	-5	13	4	-27	-24	16	61	103	127	123	105	86	59	20	-30	-81	-125	-154	-126
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IIU308 60.002.0  
 STATION NO. 23  
 INSTR PERIOD = 0.066 SEC DAMPING = 0.574  
 NORTHERN CALIFORNIA EARTHQUAKE JUN 5, 1960 - 1718 PST  
 CITY HALL, FERNDALE, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 40 49 00N, 124 53 0  
 COMP S44W 40 34 00N, 124 15

PEAK VALS ACCLN = 73.6 CM/SEC/SEC AT 7.08 SEC VELO = -3.6 CM/SEC AT 6.78 SEC DISP = 1.2 CM AT 18.90 SEC

INITIAL VELO = -0.10560 CM/SEC INITIAL DISP = 0.11671 CM

4115 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-120	-75	-46	-29	-21	-8	18	46	61	64	62	57	39	11	-10	-20	-23	-23	-24	-27
-31	-35	-34	-21	-2	19	14	-15	-28	-19	-8	-6	-8	-6	-2	-1	-4	-3	14	38
49	44	44	55	58	36	10	6	15	5	-19	-31	-39	-59	-85	-102	-101	-83	-52	-19
11	37	54	54	43	29	17	16	26	42	43	22	-3	-18	-20	-16	-8	-1	3	5
2	1	8	18	25	9	-20	-45	-60	-57	-56	-61	-60	-44	-20	1	21	31	29	21
13	3	-6	-14	-18	-19	-11	6	26	45	62	73	74	65	55	38	11	-15	-26	-18
1	22	34	26	-5	-48	-87	-114	-144	-181	-207	-175	-54	101	215	247	218	190	190	175
124	73	67	109	118	49	-76	-188	-248	-195	9	188	185	83	18	-10	-91	-230	-281	-189
-2	92	20	-109	-132	37	213	261	181	92	50	41	62	45	-22	-88	-122	-133	-124	-79
-20	12	13	3	-21	-47	-49	10	87	119	98	31	-37	-82	-86	-34	34	103	119	34
-75	-76	24	96	119	117	88	32	-21	-48	-90	-180	-243	-218	-143	-85	-44	0	37	80
88	47	-3	-10	34	66	72	70	58	43	34	56	81	50	-4	-41	-40	0	40	49
15	-18	-30	-28	-13	11	29	26	7	-15	-36	-60	-77	-74	-55	-32	5	46	73	83
73	49	27	-23	-93	-112	-88	-52	-18	6	23	35	41	39	24	7	-8	-16	10	73
128	134	75	-4	-54	-79	-96	-108	-111	-72	2	52	79	85	69	45	21	6	2	3
1	-14	-37	-60	-80	-85	-71	-45	-8	29	54	77	93	62	-29	-105	-107	-76	-54	-47
-55	-65	-54	-31	-8	-4	-21	-32	-32	-28	-28	-67	-133	-179	-203	-235	-269	-302	-161	139
357	461	510	506	461	301	-89	-372	-445	-432	-397	-262	87	478	736	678	414	204	43	-110
-251	-354	-253	-7	238	214	-99	-308	-263	-109	10	72	123	181	176	88	6	-12	-1	-50
-171	-269	-290	-182	-40	24	34	-40	-142	-216	-262	-205	-29	113	136	46	-66	-70	-4	52
108	173	185	138	98	112	157	190	177	103	4	-86	-123	-100	-130	-204	-272	-273	-162	-49
23	74	105	97	63	31	6	-21	-49	-69	-78	-74	-36	26	81	130	168	183	160	94
31	8	2	-29	-79	-114	-117	-96	-68	-36	3	40	74	95	75	27	-20	-50	-43	-10
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-76	-63	-74	-96	-116	-123	-112	-90	-51	-2	46	83	91	75	54	36	14	-14	-61	-110
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-8	-7	-6	-4	-3	-2	0	3	5	7	10	12	14	15	16	17	17	17	17
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-8	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-10	-10	-10	-10	-10	-10	-10
4	5	6	8	9	10	11	13	14	14	15	15	15	14	13	11	9	6	4
3	2	1	-1	-3	-5	-7	-7	-7	-7	-7	-7	-6	-5	-4	-3	-1	0	2
3	4	5	5	5	5	4	3	3	2	1	-3	-6	-8	-10	-12	-14	-16	-17
-18	-20	-21	-22	-23	-23	-23	-22	-21	-20	-19	-15	-13	-10	-7	-2	2	1	1
4	5	6	7	7	7	6	5	5	4	3	3	3	2	2	2	2	1	1
1	0	-1	-1	-1	-2	-2	-1	-1	0	1	2	4	5	5	5	7	9	11
12	12	12	12	11	11	11	11	11	11	10	9	9	9	9	8	7	5	4
3	1	0	-2	-3	-3	-3	-3	-3	-4	-5	-7	-8	-9	-10	-10	-10	-10	-9
-9	-8	-8	-7	-6	-5	-5	-5	-4	-3	-2	-1	-1	-1	-1	-1	-1	-1	-1
-1	-1	-1	-1	-1	-2	-3	-4	-4	-5	-6	-7	-8	-9	-8	-8	-7	-7	-6
-5	-4	-3	-2	-2	-1	-1	0	0	0	0	0	0	0	-1	-2	-3	-2	-2
-2	-1	-1	-1	-1	0	0	1	2	2	2	2	2	2	2	2	2	2	1
0	0	0	2	3	4	5	6	7	7	7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	6	5	5	4	3	2	2	2	2	3	3	4
4	5	6	6	7	6	5	4	3	2	1	0	0	0	0	0	0	1	1
2	2	1	0	-1	-1	-1	-2	-2	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4
-3	-3	-2	-2	-1	-1	0	-1	-1	-2	-2	-3	-3	-3	-3	-3	-3	-3	-3
-9	-9	-7	-5	-4	-3	-2	0	0	1	1	2	2	1	1	1	1	1	2
3	5	6	7	7	7	8	8	7	6	5	4	5	6	8	8	8	8	8
8	7	5	2	1	1	2	3	4	4	4	4	4	4	4	4	4	4	4
3	2	1	0	-1	-1	-2	-3	-4	-6	-7	-8	-9	-10	-11	-11	-11	-11	-11
-11	-10	-9	-8	-7	-6	-5	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
-13	-14	-14	-13	-13	-12	-11	-9	-8	-8	-7	-6	-5	-4	-2	0	2	5	7
8	6	5	4	3	3	4	4	5	4	3	1	-1	-3	-5	-7	-8	-8	-7
-7	-8	-9	-10	-10	-11	-11	-12	-12	-12	-11	-10	-9	-8	-7	-7	-7	-7	-6
-5	-4	-3	-2	-1	1	1	2	3	5	7	10	11	12	12	12	12	12	12

12	3	0	0	-3	-8	-11	11	8	11	-15
4	0	-1	-4	-8	-11	11	12	8	10	-17
1	-2	-4	-7	-11	12	8	9	9	9	-2
5	2	-3	-5	-10	11	8	9	8	8	-1
6	3	-4	-5	-10	10	8	8	7	7	0
5	5	-5	-5	-8	9	9	6	6	6	-12
7	6	-5	-7	-9	8	9	9	7	7	0
13	7	-5	-7	-9	9	9	7	7	7	-13
3	7	-5	-7	-7	8	9	5	5	5	0
2	6	-5	-7	-6	7	10	3	3	3	-11
7	6	-4	-5	-6	7	10	3	3	3	-1
1	6	-3	-5	-6	7	10	2	2	2	-1
0	6	-3	-5	-6	7	11	0	0	0	-1
-2	7	-2	-6	-5	8	11	-2	-2	-2	-10
-4	6	-2	-7	-4	9	11	-4	-4	-4	-1
-6	4	-1	-8	-2	10	12	-6	-6	-6	-9
-6	4	-1	-8	-2	10	12	-6	-6	-6	-1
-6	4	-1	-8	-2	10	12	-6	-6	-6	1
-5	3	-1	-9	-3	11	12	-7	-7	-7	3
-3	2	-1	-10	-5	10	12	-6	-6	-6	2
-1	0	-1	-10	-7	9	12	-6	-6	-6	2
1	-1	-2	-9	-10	8	12	-8	-8	-8	1
-1	-1	-2	-9	-10	9	12	-8	-8	-8	-1
2	-1	-3	-9	-10	10	12	-12	-12	-12	0
-6	0	-3	-9	-10	8	12	-6	-6	-6	8
-6	0	-3	-9	-10	8	12	-6	-6	-6	6
-6	0	-3	-9	-10	8	12	-6	-6	-6	2

IIU308 60.002.0  
STATION NO. 23  
INSTR PERIOD = 0.067 SEC DAMPING = 0.592  
NORTHERN CALIFORNIA EARTHQUAKE JUN 5, 1960 - 1718 PST  
CITY HALL, FERNDALE, CALIFORNIA  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
EPICENTER - 40 49 00N, 124 53 0  
COMP UP  
40 34 00N, 124 15

PEAK VALS ACCLN = -14.4 CM/SEC/SEC AT 7.74 SEC VELO = 1.1 CM/SEC AT 9.56 SEC DISP = 0.8 CM AT 31.10 SEC

INITIAL VELO = 0.00417 CM/SEC INITIAL DISP = -0.08051 CM

4114 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

28	28	36	35	29	26	22	15	3	-10	-15	-16	-29	-47	-52	-41	-23	-8	-5	1
14	21	24	28	33	42	56	58	41	19	-2	-24	-34	-28	-23	-21	-20	-8	1	-8
-24	-33	-30	-10	19	39	42	37	38	36	24	5	-22	-51	-59	-41	-14	4	2	-7
-10	-7	-1	4	9	12	7	0	-7	-18	-26	-15	6	18	17	10	4	4	10	19
32	36	30	26	24	20	4	-15	-30	-29	-14	1	2	-9	-34	-51	-50	-51	-51	-41
-26	-6	18	44	47	34	21	3	-9	-4	0	-20	-47	-49	-40	-32	-25	-17	-5	15
36	54	60	42	16	-4	-23	-29	-16	-7	-18	-26	-14	1	0	-14	-25	-28	-18	-2
15	29	32	24	19	17	13	8	-2	-2	-20	-23	-4	9	2	-12	-22	-15	18	49
72	64	16	-27	-49	-38	-10	13	35	52	67	68	50	-3	-72	-101	-101	-100	-91	-66
-42	-31	-10	29	70	95	93	64	6	-41	-76	-104	-114	-102	-68	-19	38	89	103	79
50	41	59	85	82	47	10	-22	-51	-72	-83	-77	-49	-8	18	2	-29	-43	-32	-1
9	-13	-37	-52	-49	-30	-3	19	33	45	60	72	74	74	74	74	73	62	39	6
-41	-74	-87	-87	-79	-65	-40	-16	5	25	42	56	63	66	60	59	66	60	20	-25
-47	-55	-48	-39	-41	-50	-53	-48	-40	-32	-23	-2	22	34	21	-11	-34	-32	-33	-34
-17	8	23	26	24	17	3	-19	-30	-30	-28	-19	-8	-7	-11	-7	6	18	28	40
38	27	17	1	-9	-4	-1	-10	-19	-17	-4	16	33	53	75	80	73	58	26	-13
-29	-24	-20	-28	-34	-12	-15	-21	-36	-19	34	74	80	61	44	46	52	41	21	9
2	-13	-16	-12	-10	-12	-15	-72	-116	-118	-81	-14	42	68	75	67	56	55	64	73
0	16	39	51	25	-15	-15	-116	-131	-110	-87	-63	-46	-46	-58	-66	-57	-26	24	69
71	55	41	29	15	-39	-116	-144	-131	-110	-87	-63	-46	-46	-58	-66	-57	-26	24	69
89	93	96	96	84	68	50	33	20	9	0	-4	-2	7	23	39	42	34	24	13
2	-13	-30	-44	-53	-55	-49	-46	-54	-61	-44	-9	18	36	42	27	7	-8	-10	1
8	2	-9	-20	-29	-27	-13	2	9	3	1	12	19	13	9	15	23	25	13	-7
-23	-34	-43	-48	-42	-31	-9	26	60	76	81	80	76	66	55	47	39	25	7	-20
-51	-79	-91	-80	-63	-36	-13	-1	4	6	4	0	-4	-4	0	3	2	-3	-9	-10
-7	-5	-9	-21	-35	-41	-38	-31	-23	-13	-3	5	11	14	15	17	21	23	19	17
21	26	27	25	24	26	30	38	45	51	57	57	43	20	-12	-47	-76	-94	-100	-97
-89	-75	-62	-54	-45	-34	-12	27	58	73	74	69	62	52	43	37	14	-16	-36	-52
-64	-61	-51	-42	-37	-37	-32	-17	-4	8	27	48	62	70	74	71	60	39	7	-24
-42	-44	-30	-9	6	19	25	15	1	-11	-19	-18	-8	2	6	4	2	2	3	7
15	32	47	46	34	19	3	-15	-33	-43	-44	-39	-32	-27	-25	-26	-28	-25	-19	-11
-5	1	6	11	15	17	18	16	10	0	-44	-14	-16	-17	-17	-14	-9	-3	2	10
21	30	34	29	21	13	2	-10	-23	-37	-49	-56	-56	-51	-40	-30	-23	-14	1	16
30	48	71	87	89	83	69	51	32	3	-20	-35	-51	-59	-62	-61	-57	-50	-42	-33
-20	-5	14	35	53	65	69	67	59	49	44	39	34	32	28	21	13	-3	-19	-30
-38	-42	-42	-36	-32	-34	-39	-44	-49	-52	-52	-47	-38	-25	-15	-6	3	7	0	-6
-6	0	4	3	0	-2	-1	2	1	-3	-7	-10	-9	-2	7	12	14	12	9	7
9	10	11	12	14	16	14	9	1	-10	-18	-24	-29	-25	-17	-9	0	5	14	15
12	7	4	2	6	11	15	13	9	4	-3	-9	-14	-15	-13	-9	-3	5	12	18
20	17	14	12	14	15	10	5	0	-7	-13	-16	-13	-9	-2	7	18	30	36	36

30	-12	11	20	11	6	1	-10	-21	-28	-31	-35	-42	-51	-56	-57	-55	-51	-44	-36	-29	-22
-12	11	39	57	12	57	65	68	66	54	39	24	7	-6	-17	-24	-24	-20	-15	-8	1	9
15	15	14	12	11	12	11	15	21	23	20	16	14	11	9	6	4	1	0	2	1	0
-1	-3	4	-6	-11	-6	-11	-16	-16	-13	-12	-11	-10	-7	-6	-4	0	5	8	6	3	-1
-5	-8	-13	-20	-22	-20	-22	-19	-13	-8	-3	1	5	8	10	11	12	14	18	25	29	28
29	31	34	35	33	35	33	30	24	17	8	-1	-11	-20	-26	-30	-33	-31	-25	-19	-15	-13
-10	-6	0	5	10	5	10	16	17	14	12	9	7	5	3	2	0	-1	-1	1	3	6
7	9	10	12	12	12	12	9	3	-5	-11	-13	-12	-8	-4	0	3	6	8	9	10	9
8	6	1	-4	-9	-4	-9	-14	-13	-7	-3	-1	2	-8	6	10	15	21	24	23	22	16
11	7	5	6	7	6	7	7	5	0	-4	-6	-5	-3	-2	-3	-5	-7	-9	-12	-14	-15
-15	-15	-14	-12	-10	-12	-10	-8	-7	-5	-2	2	5	5	1	-3	7	-12	-18	-18	-16	-13
-11	-10	-10	-10	-10	-10	-10	-8	-8	-6	-13	3	8	11	13	15	18	21	23	23	22	19
15	12	9	4	0	4	0	-3	-7	-10	-13	-15	-17	-19	-22	-21	-18	-15	-11	-9	-8	-8
-8	-9	-10	-12	-14	-12	-14	-15	-15	-14	-10	-8	-7	-7	-6	-5	-1	4	9	14	19	21
19	16	13	11	10	11	10	8	1	-4	-5	-6	-6	-5	-3	0	3	4	5	4	-2	-5
-7	-6	-3	0	4	0	4	7	11	13	13	11	8	5	3	0	-5	-11	-17	-25	-32	-40
-45	-44	-39	-29	-18	-29	-18	-8	1	8	15	18	18	16	11	4	-3	-11	-18	-23	-24	-20
-15	-11	-6	1	8	1	8	12	14	10	3	-2	-1	16	7	12	15	16	16	14	12	10
8	4	-3	-12	-20	-12	-20	-24	-26	-30	-31	-29	-28	-28	-26	-22	-16	-11	-7	-3	1	5
11	17	22	27	29	27	29	29	28	25	21	16	12	8	5	2	0	-1	-2	-3	-1	2
5	8	10	9	8	9	8	7	6	6	8	10	10	10	10	10	9	5	1	-5	-11	-17
-22	-26	-26	-22	-18	-22	-18	-12	-5	4	10	14	20	25	29	27	24	21	17	13	8	4
3	2	1	-1	-4	9	-4	9	-10	3	-4	-13	-17	-18	-22	-24	-23	-19	-16	-12	-4	1
10	9	7	5	3	5	3	2	5	8	9	8	9	8	8	8	7	6	5	3	3	2
0	-4	-8	-9	-9	-9	-9	-7	-4	-2	-1	0	3	6	9	14	19	23	24	22	15	9
5	2	1	-2	-3	-2	-3	11	0	-1	-3	-3	-2	0	2	4	6	10	13	16	18	19
19	19	19	18	15	18	15	11	8	6	4	2	1	0	-1	-3	-5	-9	-13	-16	-18	-19
-17	-14	-11	-9	-6	-9	-6	-4	-3	-4	-5	-5	-5	-5	-3	-2	0	1	2	3	3	3
3	3	0	-3	-6	-3	-6	-9	-12	-14	-15	-16	-15	-13	-11	-9	-6	-3	-2	-1	1	6
10	14	17	18	18	18	18	18	18	17	16	14	10	7	3	-1	-5	-10	-15	-18	-18	-17
-17	-15	-10	-3	4	-3	4	11	17	22	24	23	21	19	16	11	7	2	-3	-7	-11	-13
-14	-13	-11	-8	-6	-8	-6	-4	-4	-4	-5	-5	-6	-6	-7	-7	-8	-7	-4	-1	2	4
-2	-3	-4	-4	-4	-4	-4	15	13	11	7	4	1	-1	-2	-3	-5	-6	-5	-4	-3	-2
5	5	3	2	0	2	0	-5	-6	-7	-8	-7	-7	-6	-5	-4	-3	-1	0	2	3	4
5	8	10	11	12	12	12	10	9	-10	-13	-15	-16	-13	-11	-8	11	11	-3	-2	0	3
0	-5	-8	-12	-18	-12	-18	-24	-29	-32	-29	-23	-18	-14	-11	-9	-8	-8	-9	-10	-11	-11
-10	-9	-7	-5	-4	-7	-4	-4	-5	-4	-5	-6	-6	-6	-6	-6	-7	-6	-5	-3	-1	1
4	7	8	7	4	7	4	-1	-6	-10	-12	-14	-14	-14	-13	-13	-11	-9	-7	-4	-1	2
5	7	6	6	5	6	5	4	3	3	4	5	6	7	8	10	10	10	10	9	8	8
-3	-3	-4	-4	-5	-4	-5	-2	-4	-7	-9	-12	-14	-15	-14	-14	-13	-10	-8	-5	-3	-3
5	5	5	5	6	5	6	6	6	3	0	1	-4	-4	-3	-2	-1	0	2	4	7	6
12	18	21	21	22	21	22	22	21	20	19	17	14	10	7	3	2	-9	-14	-14	-13	-12
-12	-11	-10	-9	-9	-9	-9	-9	-9	-9	-8	-6	-5	-4	-3	-2	-2	-10	-14	-15	-12	-8
3	0	4	5	6	5	6	6	4	1	-6	-13	-15	-14	-12	-10	-8	-8	-7	-7	-4	-1
2	4	4	5	4	5	4	6	4	1	-3	-7	-10	-11	-12	-13	-14	-14	-14	-13	-11	-8
-5	-3	0	2	4	2	4	6	9	10	12	14	17	21	25	28	29	29	29	28	26	22
18	13	10	7	4	7	4	0	-4	-6	-7	-9	-10	-10	-11	-11	-11	-9	-7	-5	-3	-1



[illegible]

[illegible]

[illegible]

IIU309 61.002.0 STATION NO. 28 INSTR PERIOD = 0.066 SEC  
 CENTRAL CALIFORNIA EQ. AFTERSHOCK APR 8, 1961 - 2325 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 36 41 00N, 121 18 0  
 COMP N89M 36 51 00N, 121 24

PEAK VALS ACCLN = 168.6 CM/SEC/SEC AT 0.0 SEC VELO = -10.8 CM/SEC AT 8.40 SEC DISP = 3.0 CM AT 4.06 SEC  
 INITIAL VELO = -3.29386 CM/SEC INITIAL DISP = -1.75225 CM  
 4379 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

1686	1226	849	413	37	-78	-32	-39	-119	-223	-299	-289	-228	-211	-252	-328	-389	-445	-482	-402
-167	159	363	434	497	521	379	126	-1	3	37	83	154	251	359	461	543	622	698	731
643	389	-68	-427	-571	-641	-722	-855	-918	-871	-722	-443	-142	93	221	255	262	272	281	261
182	123	122	156	188	203	147	36	-33	-86	-125	-121	-92	-70	-88	-176	-271	-293	-242	-120
3	107	177	196	155	54	-47	-97	-124	-163	-179	-133	-59	25	91	130	167	186	158	100
44	6	-29	-27	26	173	325	383	370	191	-51	-197	-325	-475	-580	-583	-491	-364	-155	91
211	262	310	331	321	252	121	-27	-147	-223	-242	-191	-98	22	106	158	205	229	214	176
109	-7	-107	-148	-133	-77	1	86	137	109	49	2	-32	-30	-34	-120	-303	-500	-605	-637
-624	-524	-366	-234	-141	-51	90	244	358	420	434	377	262	180	177	234	342	431	469	488
504	519	517	482	352	163	16	-117	-216	-260	-263	-250	-241	-248	-274	-299	-294	-249	-186	-136
-123	-210	-328	-400	-432	-400	-337	-233	-97	17	93	130	151	166	170	171	171	182	208	254
312	348	294	118	-132	-314	-416	-492	-518	-502	-458	-410	-368	-317	-236	-125	25	244	417	500
560	587	545	437	298	206	171	224	254	254	264	247	196	111	21	-57	-114	-132	-113	-84
-66	-62	-71	-102	-129	-157	-211	-275	-320	-332	-323	-265	-152	-65	-16	19	48	67	70	64
53	41	30	15	-21	-60	-89	-126	-160	-190	-224	-252	-271	-281	-286	-271	-208	-31	160	346
515	613	665	678	614	494	270	-6	-210	-339	-419	-466	-469	-433	-380	-301	-175	-75	-2	92
165	200	220	238	249	239	221	200	179	148	79	-16	-106	-184	-247	-300	-289	-223	-164	-118
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79	121	174	202	219	227	219	203	185	168	150	131	108	88	75	55	23	-5	-38	-73
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IIU309 61.002.0 CENTRAL CALIFORNIA EQ. AFTERSHOCK APR 8, 1961 - 2325 PST EPICENTER - 36 41 00N, 121 18 0  
 STATION NO. 28 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP S01W 36 51 00N, 121 24  
 INSTR PERIOD = 0.066 SEC DAMPING = 0.574 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -74.9 CM/SEC/SEC AT 2.92 SEC VELD = -6.3 CM/SEC AT 10.44 SEC DISP = -1.8 CM AT 10.66 SEC

INITIAL VELO = -0.01303 CM/SEC INITIAL DISP = -0.13175 CM

4381 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

220	386	450	419	359	218	-82	-275	-258	-152	-65	-33	-38	-118	-268	-353	-310	-226	-167	-131
-107	-110	-60	83	254	383	452	458	413	218	-49	-187	-189	-96	46	109	37	-48	-102	-155
-201	-243	-278	-286	-248	-175	-101	-52	-22	1	37	103	179	209	157	83	56	101	201	292
344	271	52	-133	-248	-314	-254	-146	-96	-106	-141	-167	-119	-11	76	96	51	-16	-68	-65
-24	15	22	-12	-63	-130	-182	-135	-24	39	62	85	107	130	105	34	-38	-93	-113	-84
-15	64	118	151	191	225	239	200	93	-31	-160	-231	-237	-224	-220	-239	-252	-225	-138	-30
61	123	187	257	231	178	151	120	66	-9	-105	-205	-250	-244	-170	-22	125	228	303	351
378	355	176	-214	-532	-672	-749	-726	-565	-319	-34	226	383	450	474	474	460	380	220	43
-79	-129	-109	-25	77	156	205	235	257	268	258	231	183	114	0	-136	-241	-302	-315	-298
-276	-251	-226	-220	-252	-324	-388	-418	-357	-225	-121	-38	42	118	197	266	378	496	532	503
435	345	281	239	177	82	-7	-79	-175	-252	-289	-283	-223	-157	-119	-97	-94	-115	-160	-167
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45	68	99	152	216	268	305	313	286	239	187	91	-20	-106	-257	-393	-459	-497	-502	-461
-406	-361	-316	-243	-145	-40	112	253	332	381	405	383	317	250	203	163	124	64	-13	-67
-85	-67	-32	-4	0	-13	-37	-66	-84	-74	-57	-57	-72	-98	-139	-172	-137	-41	42	90
123	152	175	192	211	233	216	151	93	44	-20	-99	-180	-249	-311	-356	-375	-330	-248	-169
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11	9	8	7	5	4	4	6	7	7	7	7	7	7	7	7	7	7	7	7
-12	-12	-10	-8	-7	-5	-4	-2	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
11	11	8	11	11	10	8	6	2	-1	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
-3	-3	-3	-3	-3	-3	-4	-6	-7	-8	-8	-8	-9	-11	-12	-13	-14	-15	-16	-16
-16	-16	-15	-14	-14	-13	-13	-12	-11	-10	-11	-11	-12	-13	-14	-15	-16	-16	-16	-16
2	2	4	5	7	9	11	11	10	10	11	11	12	13	14	14	14	14	14	14
.13	12	12	11	9	6	4	3	3	3	2	2	1	-1	-2	-3	-4	-5	-5	-8

[illegible]

I1U309 61.002.0  
 STATION NO. 28  
 INSTR PERIOD = 0.067 SEC  
 DAMPING = 0.592  
 CENTRAL CALIFORNIA EQ. AFTERSHOCK APR 8, 1961 - 2325 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 36 41 OON, 121 18 0  
 COMP UP 36 51 OON, 121 24

PEAK VALS ACCLN = -50.2 CM/SEC/SEC AT 0.06 SEC VELO = -4.2 CM/SEC AT 0.86 SEC DISP = 2.0 CM AT 10.72 SEC

INITIAL VELO = 1.81569 CM/SEC INITIAL DISP = 1.01157 CM

4381 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-48	-272	-509	-602	-403	-80	163	235	151	93	81	80	87	80	62	-3	-99	-113	-73	-41
-20	-6	17	-14	-124	-203	-147	36	229	328	309	164	27	2	41	-15	-192	-367	-470	-477
-425	-341	-185	-2	181	328	390	373	290	203	153	120	80	56	53	58	-10	-134	-203	-169
-109	-69	-33	16	89	148	139	79	17	-30	-77	-125	-158	-156	-99	-38	-19	-12	-3	14
55	103	128	113	73	21	13	0	36	68	90	99	60	10	22	58	26	-52	-114	-153
-180	-182	-166	-132	-70	10	77	133	144	78	-27	-84	-91	-52	-3	29	49	64	94	146
184	173	117	72	71	81	62	-4	-67	-101	-96	-42	12	-4	-84	-141	-165	-164	-143	-124
-105	-73	-8	47	77	94	104	93	53	-13	-53	-61	-63	-58	-47	-22	18	51	73	90
101	106	113	135	173	201	193	130	63	25	-22	-73	-102	-115	-122	-108	-66	-26	-10	-22
-57	-96	-118	-128	-125	-92	-50	-30	-24	-22	-19	-7	14	38	59	74	84	94	112	139
138	79	-9	-54	-37	-6	3	-14	-37	-48	-49	-45	-44	-51	-58	-44	4	53	81	98
108	109	97	67	10	-50	-95	-114	-89	-41	8	48	69	72	69	76	91	99	99	92
73	32	-8	-28	-31	-21	-9	-7	-19	-28	-29	-29	-42	-88	-147	-181	-190	-161	-94	-28
22	48	36	13	8	54	126	177	213	238	241	221	198	175	124	31	-73	-181	-269	-305
-289	-223	-150	-103	-70	-36	-11	9	34	79	141	172	174	149	115	70	15	-13	-27	-28
-18	-14	-28	-52	-80	-95	-90	-71	-37	-4	21	46	74	99	110	106	92	68	30	-26
-100	-142	-155	-161	-157	-141	-122	-101	-86	-78	-73	-67	-50	-25	2	29	59	84	91	80
57	42	38	54	81	104	133	163	173	161	114	67	50	50	58	63	64	60	42	11
-26	-57	-73	-71	-61	-55	-57	-73	-99	-122	-141	-151	-148	-134	-115	-91	-64	-39	-23	-2
32	71	111	147	170	183	187	187	182	171	153	124	90	43	0	-25	-33	-26	-13	-4
-1	-12	-35	-61	-88	-110	-129	-147	-155	-153	-137	-107	-74	-48	-21	9	36	63	88	104
119	123	105	72	27	-33	-83	-107	-116	-115	-102	-82	-57	-30	-7	5	11	16	26	44
65	81	93	101	92	65	30	-10	-53	-88	-110	-129	-136	-125	-112	-104	-99	-93	-88	-82
-73	-53	-24	-6	0	9	20	31	40	46	44	40	36	37	44	54	64	71	78	82
76	59	34	0	-39	-63	-61	-44	-19	11	41	54	52	44	31	11	-6	-19	-23	-21
-15	-4	9	21	26	23	19	13	3	-2	-5	-5	-2	9	35	63	84	94	95	91
83	65	43	13	15	-39	-60	-71	-75	-80	-84	-90	-97	-103	-104	-100	-93	-84	-75	-66
-58	-49	-42	-38	-40	-51	-63	-69	-69	-65	-56	-46	-30	-8	11	27	43	46	37	27
24	24	27	31	38	52	76	108	135	141	130	111	93	76	63	56	49	40	26	7
-20	-64	-107	-138	-157	-163	-159	-150	-131	-104	-74	-40	-8	13	39	61	68	70	70	67
63	59	55	48	40	27	6	-28	-62	-92	-113	-126	-138	-145	-144	-135	-119	-99	-81	-63
-39	-17	-3	5	9	11	16	23	38	57	76	95	114	134	160	182	196	195	183	165
142	114	85	50	4	-43	-71	-83	-90	-92	-92	-89	-83	-75	-67	-60	-55	-49	-40	-29
-20	-12	-2	10	21	28	34	37	37	36	34	32	28	23	18	11	4	-6	-10	-10
-13	-16	-19	-22	-23	-25	-27	-32	-43	-53	-55	-55	-48	-34	-6	26	45	61	74	80
81	78	72	64	59	53	47	43	40	36	32	26	14	1	-13	-37	-62	-82	-95	-103
-108	-106	-99	-92	-84	-74	-64	-54	-46	-46	-52	-57	-57	-56	-52	-43	-29	-10	16	43
68	85	96	105	112	113	108	101	94	87	74	59	50	43	37	27	13	1	-9	-18
-32	-42	-43	-43	-45	-44	-42	-41	-38	-35	-29	-24	-20	-17	-15	-16	-14	-7	1	11
20	30	39	47	54	60	63	63	61	57	52	49	45	42	38	33	30	29	28	28

27	21	7	-10	-26	-39	-51	-62	-72	-80	-86	-90	-92	-93	-94	-94	-94	-89	-82	-73
-63	-51	-39	-25	-11	4	25	46	59	63	63	63	64	66	69	73	76	76	75	70
66	62	58	49	40	35	32	29	26	22	17	9	-1	-12	-24	-36	-46	-54	-59	-60
-58	-53	-48	-44	-39	-32	-24	-18	-13	27	-2	6	12	16	17	17	17	19	21	20
15	7	-3	-16	-27	-35	-41	-44	-46	-47	-45	-42	-39	-36	-32	-26	-19	-13	-7	-1
8	17	26	34	42	50	56	59	57	54	49	45	43	42	44	48	49	50	47	43
39	35	33	32	33	23	27	25	25	25	24	23	21	16	10	7	4	3	-1	-8
-16	-22	-29	-38	-47	-53	-56	-60	-64	-69	-73	-75	-72	-67	-58	-46	-36	-25	-15	-10
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-5	-4	-4	-2	-1	1	4	6	9	14	21	29	36	42	43	40	34	28	22	16
9	4	1	-1	-4	-5	-5	-6	-7	-6	-3	-1	3	10	19	26	32	36	38	39
39	40	40	39	38	37	36	34	32	29	22	8	-3	-6	-6	-10	-16	-22	-28	-33
-39	-41	-43	-43	-41	-38	-34	-29	-24	-19	-14	-10	-8	-7	-4	2	6	9	13	17
18	17	14	10	2	-5	-9	-11	-13	-14	-15	-16	-15	-12	-10	-7	-3	-2	0	-1
-5	-7	-9	-10	-10	-10	-7	-13	0	3	6	4	10	6	0	-5	-12	-12	-17	-19
-21	-22	-22	-21	-18	-16	-14	-13	-11	-6	-1	4	8	10	14	19	24	27	29	30
32	32	30	28	25	22	17	12	10	8	8	9	10	12	15	16	16	16	15	14
11	8	7	7	7	6	5	1	-7	-12	-14	-17	-20	-21	-21	-21	-23	-23	-25	-26
-25	-23	-23	-24	-25	-25	-22	-17	-10	-4	4	11	17	20	24	26	25	21	17	15
15	16	18	19	17	14	10	5	-1	-8	-11	-13	-17	-21	-21	-21	-21	-19	-17	-15
-13	-12	-15	-18	-21	-24	-26	-25	-23	-21	-18	-14	-9	-1	6	12	17	20	21	21
20	19	17	15	14	12	10	9	5	1	-3	-5	-6	-6	-6	-6	-8	-10	-10	-9
-7	-6	-5	-3	-1	-1	-1	-1	-3	-4	-6	-7	-9	-11	-13	-15	-14	-12	-11	-10
-8	-7	-6	-4	-2	1	4	6	9	11	12	13	14	14	13	12	11	8	6	6
7	8	8	9	10	10	10	10	10	10	7	4	1	-4	-8	-12	-16	-21	-25	-29
-31	-33	-36	-35	-32	-29	-27	-24	-21	-17	-14	-11	-9	-6	-3	-1	2	5	8	12
13	14	14	14	13	12	9	6	2	4	-6	-8	-10	-11	-11	-9	-7	-3	1	3
4	3	2	-1	-2	-2	1	2	4	4	5	4	3	0	-2	-3	-4	-3	-1	0
0	-2	-4	-4	-4	-4	-4	-4	-3	-2	-1	1	2	3	3	2	1	1	2	3
5	7	9	9	9	8	8	7	5	3	1	-1	-3	-5	-7	-8	-8	-8	-8	-6
-3	0	2	3	5	8	11	13	16	21	23	25	25	23	22	20	18	15	11	3
-5	-13	-18	-23	-27	-27	-26	-25	-23	-22	-21	-19	-16	-13	-9	-7	-7	-5	-2	3
8	12	14	16	17	19	20	21	22	23	23	23	20	16	11	6	3	1	-1	-2
-1	0	-1	-3	-5	-7	-9	-10	-13	-16	-18	-20	-21	-21	-21	-19	-19	-19	-19	-19
-20	-21	-20	-18	-16	-11	-6	-4	-3	-1	1	4	6	10	15	20	24	26	28	29
31	35	42	49	53	54	51	47	43	40	36	32	28	23	17	10	2	-4	-9	-13
-17	-19	-21	-23	-24	-24	-25	-25	-25	-25	-24	-23	-22	-20	-18	-16	-12	-9	-7	-5
-2	0	2	4	6	7	7	6	4	1	-2	-3	-2	-1	0	0	0	1	4	7
9	10	11	10	10	10	10	12	16	19	20	20	18	16	14	13	12	11	10	8
7	4	1	-3	-6	-11	-16	-18	-18	-19	-20	-22	-22	-19	-17	-16	-16	-15	-14	-13
-11	-11	-11	-9	-6	-4	-2	-2	-3	-2	0	6	13	14	11	11	11	11	10	10
9	8	8	8	8	8	7	5	4	3	3	3	4	5	5	4	4	2	1	-1
-1	0	2	-19	-17	-13	-8	-5	2	0	-2	-4	-6	-8	-12	-14	-16	-18	-20	-23
-24	-22	-21	-19	-17	-13	-8	-5	-5	-5	-6	-7	-10	-14	-16	-16	-14	-13	-14	-16
12	9	7	4	1	-2	-4	-5	-5	-5	-6	-7	-10	-14	-16	-16	-14	-13	-14	-16
-18	-17	-15	-13	-11	-10	-8	-6	-5	-5	-5	-6	-7	-7	-7	-5	-3	-2	-1	0
1	2	5	8	11	14	15	16	18	19	20	20	18	17	16	15	13	11	8	6
4	2	-1	-3	-6	-8	-11	-14	-17	-18	-20	-21	-20	-18	-16	-14	-12	-10	-7	-4
0	4	7	7	8	8	8	8	9	10	9	8	6	4	2	-2	-5	-7	-7	-6
-6	-5	-4	-3	-1	0	1	3	4	6	7	6	5	5	5	6	7	7	8	9

[illegible]



[illegible]

-2	6	0	0	2	3	2	2	-4	3	3	5	6	5	0	9	5	1	-2	1	-4	-2	4	1	1	-4	-6	2	2	-1	-2	-2	-2	-6
-1	7	-1	3	3	3	3	-3	3	3	3	5	5	5	0	9	5	1	-1	-2	1	-5	-2	4	1	1	-4	-6	0	1	3	0	-3	
0	9	-2	4	3	3	-2	3	3	3	5	5	4	-1	6	5	5	1	-1	4	-3	-5	-1	4	1	1	-4	-5	1	1	2	0	-3	
1	9	-1	3	2	3	-1	2	2	5	3	3	3	-2	4	5	0	0	-4	-5	-1	4	0	-4	0	0	0	0	1	1	0	-4	-3	
1	8	1	1	3	2	3	-1	2	2	4	1	1	-1	3	5	0	1	-4	-5	-1	4	-1	-4	-5	3	0	0	0	0	0	-4	-2	
1	6	2	2	2	3	0	1	2	2	4	0	0	0	2	5	-1	1	-4	-4	-1	-3	-3	-4	-5	4	0	-1	0	-4	-4	-2		
1	5	3	2	3	3	0	0	2	5	-2	0	1	6	1	-1	0	-4	-4	-1	-3	-3	-4	-3	-4	4	0	-2	0	-4	-1			
1	3	3	3	4	3	0	0	3	5	-3	1	0	7	-1	0	-4	-3	0	0	2	-3	-5	-5	4	0	-2	-1	-4	-1				
0	2	3	3	5	3	1	1	4	6	-3	1	0	7	-1	0	-4	-3	0	1	-2	-5	-5	4	0	-3	-1	-4	0					
0	1	2	4	5	2	1	2	5	6	-3	1	1	8	-2	-2	-3	-3	0	1	-1	-6	-4	4	-1	-3	-2	-3	0					
0	2	0	3	5	1	1	2	6	6	-4	-1	1	8	-2	-2	-3	-3	1	1	-4	-7	-2	4	-1	-3	-2	-3	-1					
1	4	0	2	4	1	1	2	8	5	-4	-2	2	7	-3	-4	-1	-3	1	1	0	-9	-1	5	-2	-4	-2	-2	-2					
2	4	0	2	4	1	1	1	8	4	-4	-3	3	6	-4	-4	0	-3	1	1	0	-10	-1	6	-2	-4	-2	-2	-3					
3	2	0	1	4	2	2	0	8	3	-3	-4	4	5	-4	-4	1	-3	1	1	1	-10	-1	7	-2	-4	-2	-2	-3					
5	1	0	1	3	2	2	-1	8	2	-3	-4	4	4	-4	-3	0	-3	2	1	1	-10	-1	8	-2	-4	-2	-2	-3					
6	0	1	2	3	2	2	0	8	1	-2	-4	4	4	-4	-2	-1	-3	2	1	0	-10	-2	8	-2	-4	-2	-2	-3					
6	1	2	3	2	-1	3	0	8	0	-2	-2	5	3	-4	-1	-3	-3	3	1	-2	-10	-2	7	-2	-4	-2	-2	-3					
6	1	2	3	1	-3	3	1	8	1	-1	0	5	2	-4	0	-4	-3	3	1	-3	-10	-3	5	-1	-3	-2	-2	-3					
6	1	2	3	1	-4	3	1	7	2	-1	3	5	1	-3	1	-4	-3	4	1	-4	-9	-3	4	0	-2	-2	-2	-4					
5	1	2	3	1	-4	3	2	6	4	-1	6	5	1	-3	1	-4	-3	1	1	-4	-8	-3	3	1	-2	-2	-2	-5					

IIU310 65.003.0 PUGET SOUND, WASH., EARTHQUAKE APR 29, 1965 - 0728 PST EPICENTER - 47 24 00N, 122 18 0  
STATION NO. 329 FEDERAL OFFICE BUILDING, SEATTLE, WASHINGTON COMP S32E 47 36 00N, 122 20  
INSTR PERIOD = 0.083 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -52.2 CM/SEC/SEC AT 10.74 SEC VELO = 5.6 CM/SEC AT 10.38 SEC DISP = -2.6 CM AT 9.32 SEC

INITIAL VELO = 0.22977 CM/SEC INITIAL DISP = 0.01660 CM  
3706 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

16	-30	-51	-43	-27	-15	-4	-3	0	-5	33	57	17	-27	-45	-34	-36	-41	-59
-46	-25	2	27	43	40	22	8	24	30	20	-1	-16	5	19	16	8	20	30
32	27	20	14	15	-3	-44	-36	-12	14	44	55	45	28	11	-18	-46	-67	-50
-24	3	22	7	-8	-16	-15	-7	2	17	40	37	7	-23	-54	-44	-20	7	53
53	50	44	37	18	-2	-25	-37	-50	-15	11	-1	-27	-17	24	47	19	-31	-16
14	7	-22	-36	-22	-2	18	-18	-72	-103	-74	-40	-2	2	4	-22	-18	8	36
20	4	9	18	22	17	-6	-24	-30	-14	31	74	115	122	86	39	-21	-81	-111
-103	-74	-51	-30	-9	1	-3	-3	6	14	18	22	20	16	14	22	29	24	46
64	65	58	41	23	3	-15	-37	-60	-57	-34	4	35	62	65	62	43	22	-1
-12	0	19	44	64	59	47	23	-2	-31	-70	-73	-52	-26	-29	-54	-77	-49	-17
11	32	45	60	96	115	100	59	15	5	21	20	4	-12	-8	8	28	60	47
-37	-57	-60	-69	-59	-26	11	31	22	16	42	74	88	51	2	-48	-75	-119	-71
-4	50	68	35	-7	-27	-30	-33	-37	-42	-48	-47	-33	-16	26	84	115	90	54
-22	-46	-55	-20	2	-10	-48	-32	17	26	39	69	133	154	85	6	-72	-139	-210
-278	-236	-178	-71	71	164	216	219	200	179	150	112	75	38	49	65	30	-14	-75
-108	-46	-9	23	49	73	93	119	113	59	-5	-40	-4	35	11	-62	-133	-223	-112
-58	-6	40	95	137	100	36	-29	-95	-95	-54	-31	-11	-1	-1	-5	-5	-21	-83
-106	-122	-131	-112	-53	1	53	45	14	-24	-18	30	79	112	52	-51	-105	-150	-187
-256	-320	-305	-202	-19	118	241	343	411	418	325	194	19	-207	-355	-414	-408	-342	-276
-43	65	157	249	331	292	213	165	133	108	54	-110	-304	-419	-317	-220	-125	-36	25
37	83	147	216	289	342	399	414	363	305	228	124	18	-79	-171	-261	-307	-342	-377
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6	7	8	8	8	7	6	4	2	2	3	3	4	5	1	2	3	3	3	4
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6	7	7	8	6	4	2	0	-6	-5	-5	-4	-3	-2	-1	0	2	3	5	5
2	3	3	4	3	2	1	0	-2	-2	-2	-1	-14	-15	-17	-18	-19	-19	-18	-17
-16	-15	-13	-12	-10	-6	-3	-2	-1	-1	-1	-1	0	0	-2	-2	-2	-5	-6	7

IIU310 65.003.0 PUGET SOUND, WASH., EARTHQUAKE APR 29, 1965 - 0728 PST  
 STATION NO. 329 FEDERAL OFFICE BUILDING, SEATTLE, WASHINGTON  
 INSTR PERIOD = 0.084 SEC DAMPING = 0.607 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER - 47 24 00N, 122 18 0  
 COMP S58W 47 36 00N, 122 20

PEAK VALS ACCLN = -77.6 CM/SEC/SEC AT 9.96 SEC VELO = 9.4 CM/SEC AT 9.66 SEC DISP = -5.4 CM AT 8.50 SEC

INITIAL VELO = 0.50509 CM/SEC INITIAL DISP = -0.31569 CM

3705 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

64	-1	-33	-51	-67	-92	-90	-46	-2	38	75	76	40	2	-17	10	28	6	-29	-57
-40	-19	-40	-74	-48	49	73	28	-9	18	50	7	-67	-82	-29	25	55	52	58	108
169	124	54	-25	-32	-9	-34	-63	-46	-8	17	14	10	2	23	16	-28	-87	-103	-68
-44	-46	-33	39	121	119	69	29	39	46	19	-7	-10	-16	-67	-120	-79	3	62	88
84	58	35	17	4	-10	-6	-18	-56	-76	-54	-23	15	77	66	12	-28	-40	12	37
46	20	17	7	-39	-52	-28	1	20	1	-24	-45	-56	-72	-84	-69	-37	-20	-23	-27
-32	2	37	38	30	27	41	23	-4	-9	18	15	-8	8	59	55	28	9	14	-42
-105	-154	-106	-78	-78	-80	-21	40	99	98	68	48	64	32	-20	-44	-64	-69	-70	-59
-41	13	65	49	26	6	-1	-8	-7	12	37	55	59	44	30	16	6	-5	-21	-45
-71	-88	-56	-22	11	30	31	29	36	32	-6	-44	-73	-90	-81	-57	-15	25	50	50
37	20	1	-15	28	64	80	98	111	98	71	39	6	-30	-50	-66	-61	-29	33	59
65	44	16	-20	-74	-104	-84	-44	-1	21	48	75	138	104	42	13	-9	-34	-74	-179
-131	-68	-17	11	26	22	0	-37	-76	-124	-80	-19	40	82	98	115	131	89	8	-33
-49	-67	-103	-62	-14	24	60	19	-47	-117	-111	-51	-6	32	50	67	82	99	119	144
113	63	10	-40	-90	-130	-153	-175	-225	-280	-250	-186	-112	-33	60	146	207	258	260	271
340	339	244	90	-72	-130	-187	-193	-141	-77	-86	-158	-235	-315	-251	-195	-160	-145	-127	-83
-34	4	34	76	152	245	280	239	196	149	120	90	63	34	3	-35	-68	-108	-136	-211
-306	-291	-272	-247	-264	-281	-303	-319	-380	-400	-319	-264	-145	-25	34	94	140	234	368	463
544	514	434	288	50	-90	-122	-153	-177	-209	-262	-223	-79	92	276	464	569	464	350	238
131	87	113	50	-57	-209	-299	-312	-289	-256	-149	13	189	338	456	407	292	72	-134	-282
-374	-447	-478	-517	-544	-576	-530	-453	-359	-243	-125	4	98	136	174	206	295	370	433	457
429	387	376	461	574	670	734	614	395	139	-88	-371	-582	-690	-654	-576	-436	-257	-56	81
196	226	159	101	124	181	239	281	183	66	-35	-107	-207	-126	23	135	238	314	311	219
132	34	35	93	140	181	218	290	260	129	3	-132	-255	-366	-170	119	295	411	478	429
377	300	226	79	-93	-208	-294	-337	-261	-146	-60	51	39	-104	-253	-467	-638	-741	-776	-658
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167	145	75	5	-96	-178	-232	-277	-287	-284	-319	-350	-408	-418	-315	-148	-71	-22	31	102
215	288	343	310	238	173	111	19	-48	-80	-74	-70	-160	-231	-283	-321	-275	-201	-49	84
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-59	-73	-90	-105	-107	-102	-89	-75	-51	10	97	261	390	455	496	429	309	108	-57	-209
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242	281	321	364	312	209	85	-44	-162	-254	-304	-317	-327	-275	-209	-160	-119	-83	-79	-99

-103	-89	-60	-18	20	54	84	115	145	180	210	243	219	152	82	-5	-89	-160	-200	-223
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1	2	4	7	8	1	1	-1	-2	-2	-3	-4	-4	-4	-4	-3	-2	-2	-1	0

IIU310 65-003.0 PUGET SOUND, WASH., EARTHQUAKE APR 29, 1965 - 0728 PST EPICENTER - 47 24 00N, 122 18 0  
STATION NO. 329 FEDERAL OFFICE BUILDING, SEATTLE, WASHINGTON COMP UP 47 36 00N, 122 20  
INSTR PERIOD = 0.084 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 32.1 CM/SEC/SEC AT 6.10 SEC VELO = -2.4 CM/SEC AT 11.06 SEC DISP = 1.6 CM AT 54.54 SEC

INITIAL VELO = -0.02375 CM/SEC INITIAL DISP = 0.16394 CM

3707 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-59	-169	-93	-13	26	58	82	131	131	57	122	166	47	-89	6	111	30	-59	-172	-166
-82	-5	5	-8	85	109	25	-67	-81	9	20	-30	-94	-122	-35	52	100	96	90	66
7	-50	-102	-185	-139	-11	32	36	44	122	74	-66	-132	-20	-1	-6	-26	-1	26	14
-10	-34	-72	-64	-8	46	75	58	40	18	8	-12	8	-29	-124	-160	-134	-61	47	124
132	105	35	-60	-50	3	20	-12	-25	-10	10	48	56	7	-35	-28	18	82	124	109
97	75	51	20	-12	-65	-85	-50	-34	-39	-35	-12	5	21	64	134	102	28	-62	-91
-32	-12	-50	-105	-124	-111	-105	-94	12	102	77	44	57	116	77	-24	-121	-94	-28	-60
-64	-10	61	85	48	12	12	44	18	-35	-35	48	87	23	-54	-14	30	51	72	54
12	-12	17	-9	-59	-118	-190	-152	-69	30	134	123	55	-11	-98	-116	-52	59	65	-13
-88	-94	-56	-20	26	46	24	-14	2	99	143	98	37	-7	-36	-24	9	-54	-132	-217
-193	-99	-33	5	40	72	69	53	69	101	97	33	-27	-28	13	23	46	55	-2	-79
-98	-8	79	74	10	-53	-38	28	-16	-94	-170	-141	-71	-62	-63	29	133	141	34	-49
24	154	124	-4	-56	-121	-204	-223	-48	63	112	169	234	240	255	252	162	66	-41	-102
-57	-66	-111	-195	-292	-189	-36	74	136	128	107	82	62	47	25	-60	-200	-217	-74	38
147	142	88	-34	-65	29	119	131	21	-85	-95	-84	-167	-129	-9	120	106	32	-45	6
10	-112	-117	39	155	321	317	213	90	79	90	8	-60	-135	-180	-145	-93	-25	12	-46
-94	-127	-63	46	190	172	60	-35	-104	-84	-19	55	51	-72	-144	-81	44	68	5	-85
-79	21	111	116	83	54	30	-13	-79	-67	9	79	119	91	59	51	72	26	-50	-120
-78	3	68	27	-52	-69	-3	53	24	-40	-107	-174	-256	-284	-218	-140	-58	31	92	115
117	164	114	-37	-200	-285	-178	-66	-16	-3	14	29	86	140	189	239	271	160	-13	-114
-50	50	68	-21	-92	-160	-225	-250	-192	-131	-60	8	66	103	154	237	242	180	115	66
32	40	102	89	33	-27	-38	-21	3	20	-2	-33	-30	-8	-27	-50	-25	17	2	-55
-61	1	84	65	-121	-216	-126	-55	12	34	3	-90	-100	-10	54	76	63	49	94	156
201	214	182	116	44	-88	-209	-298	-231	-165	-110	-7	55	95	122	213	303	161	-8	-138
-233	-207	-126	-62	-56	-60	-29	7	-4	1	64	127	173	214	134	56	9	-36	-78	-130
-196	-189	-141	-55	34	35	23	45	44	21	1	15	28	12	-10	-21	-12	-5	-19	-44
-28	-10	33	89	168	189	140	91	12	-60	-134	-163	-110	-37	15	-1	-29	-7	57	115
78	-5	-60	-112	-158	-200	-224	-209	-190	-164	-135	-97	-62	20	108	154	205	260	225	172
111	50	-11	-56	-11	60	67	14	-28	-53	-61	-106	-143	-107	-49	-30	-73	-95	25	95
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96	24	-61	-140	-198	-235	-218	-200	-166	-106	-40	24	87	100	91	80	74	117	152	192
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-77	-65	-49	-28	-7	12	24	52	110	179	210	175	131	100	97	79	47	13	-21	-28
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-66	-19	24	73	100	95	83	95	107	86	61	35	28	39	70	82	39	-16	-56	-84
-115	-126	-112	-99	-79	-57	-42	-43	-6	48	92	114	174	168	125	88	81	82	80	73
68	71	61	23	-7	-29	-45	-52	-57	-75	-98	-106	-86	-65	-52	-41	-17	-25	-41	-61

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IIU311 66.006.0 STATION NO. 95  
 PARKFIELD, CALIFORNIA, EARTHQUAKE JUN 27, 1966 - 2026 PST  
 LINCOLN SCHOOL TUNNEL, TAFT, CALIFORNIA  
 DAMPING = 0.574  
 INSTR PERIOD = 0.080 SEC  
 ACIN = -8.1 CM/SEC/SEC AT 1.30 SEC  
 VELO = 2.1 CM/SEC AT 18.82 SEC  
 DISP = 2.5 CM AT 20.66 SEC  
 EPICENTER - 35 54 OON, 120 54 0  
 COMP N21E 35 09 OON, 119 27  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS

3622 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
 INITIAL VELO = 0.20845 CM/SEC  
 INITIAL DISP = -0.05250 CM

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-7	-8	-7	-6	-5	-5	-3	-1	-1	-2	-2	-3	-4	-4	-3	-3	-3	-3	-3	-4
-12	-10	-8	-5	-2	0	3	5	8	8	9	9	7	5	3	0	-3	-6	-10	-14
-11	-13	-15	-16	-17	-18	-20	-23	-25	-26	-29	-31	-32	-31	-28	-26	-23	-21	-18	-15
-12	-9	-7	-5	-4	-4	-1	1	3	4	3	2	1	2	4	5	7	9	10	10
10	9	8	6	5	4	2	3	4	6	7	6	4	3	3	3	3	3	3	3
3	3	3	3	4	4	5	5	6	6	5	5	5	5	5	5	4	1	-2	-5
-7	-7	-5	-2	-1	-1	-4	-4	-3	-3	-1	-1	-10	-9	-7	-6	-4	-3	-3	-3
-4	-4	-5	-7	-9	-10	-11	-11	-12	-13	-13	-12	-11	-11	-9	-9	-8	-7	-6	-4
-2	-1	0	1	3	5	7	8	10	11	13	14	14	12	10	7	5	4	3	2



[illegible]

[illegible]

ITU311 66.006.0 PARKFIELD, CALIFORNIA, EARTHQUAKE JUN 27, 1966 - 2026 PST EPICENTER - 35 54 OON, 120 54 0  
STATION NO. 95 LINCOLN SCHOOL TUNNEL, TAFT, CALIFORNIA COMP S69E 35 09 OON, 119 27  
INSTR PERIOD = 0.081 SEC DAMPING = 0.574 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 11.2 CM/SEC/SEC AT 1.76 SEC VELO = -2.2 CM/SEC AT 7.26 SEC DISP = -1.5 CM AT 49.76 SEC

INITIAL VELO = 0.10150 CM/SEC INITIAL DISP = 0.03363 CM

3619 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

5	13	21	28	35	35	27	22	17	15	11	5	-9	-20	-25	-26	-21	-17	-14	-13
-14	-16	-21	-25	-26	-26	-22	-20	-20	-22	-22	-19	-16	-16	-20	-25	-27	-34	-36	-32
-23	-13	6	27	46	61	62	57	50	38	33	34	37	47	59	60	49	29	-5	-30
-56	-75	-69	-50	-34	-21	-13	-11	-15	-25	-39	-56	-59	-52	-39	-22	-9	10	24	30
27	18	16	19	31	52	76	103	112	107	81	55	24	-10	-34	-53	-70	-78	-73	-62
-48	-29	-15	-11	-12	-14	-12	-8	-1	1	-6	-18	-28	-29	-18	-6	19	44	56	49
38	33	37	42	45	38	28	18	-4	-20	-29	-35	-39	-44	-49	-50	-46	-41	-30	-18
-9	5	12	10	5	0	-4	-8	-13	-21	-30	-39	-43	-40	-36	-28	-16	-6	2	10
21	31	36	38	33	20	5	-5	-10	-7	-3	2	7	11	14	13	11	13	20	27
31	35	38	40	40	40	32	16	-1	-9	-7	0	8	11	9	-2	-14	-29	-37	-37
-32	-20	-11	-9	-12	-15	-19	-21	-15	-7	0	4	8	11	15	17	17	14	8	3
-1	-3	-7	-14	-21	-23	-21	-14	-9	-8	-7	-2	8	22	37	47	51	52	51	46
41	41	38	31	25	19	17	18	20	14	6	-1	-8	-9	-8	-1	9	13	15	17
20	23	23	19	12	2	-8	-20	-31	-39	-47	-53	-56	-55	-51	-44	-38	-31	-24	-18
-11	-3	2	2	-3	-11	-18	-23	-22	-15	-4	5	13	20	19	19	17	13	14	16
26	31	35	32	25	22	19	18	19	20	22	24	24	25	25	26	25	23	20	16
16	13	10	5	-3	-18	-33	-40	-41	-39	-37	-35	-37	-39	-42	-45	-46	-43	-35	-25
-13	-5	-4	-6	-18	-34	-48	-59	-65	-67	-67	-69	-72	-74	-77	-82	-86	-83	-70	-55
-41	-26	-12	0	13	25	41	57	70	83	93	99	100	97	91	85	74	62	48	36
27	18	-4	-26	-36	-44	-47	-44	-38	-27	-13	0	11	16	20	22	20	14	5	-4
-7	-6	-4	-1	3	6	10	11	12	14	18	20	23	23	22	24	28	32	36	33
23	14	4	-1	-6	-11	-13	-15	-15	-12	-8	-6	-10	-16	-21	-25	-30	-32	-35	-38
-40	-40	-35	-25	-17	-11	-5	1	6	10	15	21	27	31	31	29	26	23	20	19
19	20	21	21	21	20	18	14	9	2	-4	-11	-13	-11	-17	-4	4	13	23	36
49	51	47	44	38	31	24	19	14	8	4	1	-5	-11	-17	-20	-22	-23	-20	-16
-16	-18	-21	-24	-27	-28	-29	-31	-32	-34	-36	-41	-49	-57	-64	-70	-74	-73	-69	-60
-46	-31	-12	3	17	28	38	46	51	55	54	53	55	57	59	60	60	57	54	47
38	27	17	12	8	5	5	3	2	2	5	9	13	16	17	15	10	5	0	-8
-17	-23	-31	-39	-44	-43	-40	-36	-32	-27	-22	-18	-16	-17	-18	-19	-19	-16	-13	-12
-13	-16	-19	-23	-28	-34	-39	-46	-48	-46	-43	-38	-29	-19	-11	-6	-5	-7	-8	-8
-5	-1	6	14	22	30	42	53	61	67	71	76	77	73	67	55	43	35	26	18
8	1	2	4	7	11	13	12	10	5	-1	-8	-16	-29	-40	-49	-54	-60	-62	-62
-61	-58	-54	-48	-42	-34	-24	-13	-3	2	5	8	11	14	18	26	34	40	45	48
51	54	57	58	58	52	46	41	37	37	38	37	34	30	23	17	11	5	1	1
3	6	9	10	11	10	9	9	8	8	8	7	5	4	1	-3	-6	-9	-15	-20
-25	-28	-30	-32	-33	-30	-29	-28	-27	-25	-23	-19	-19	-23	-26	-28	-30	-29	-28	-25
-23	-22	-20	-17	-11	-5	0	4	8	13	18	21	23	21	18	16	14	11	9	9
11	13	15	16	15	13	13	14	15	17	18	20	19	16	13	10	6	2	-2	-9
-15	-19	-21	-24	-28	-31	-33	-35	-38	-38	-36	-33	-29	-25	-19	-12	-5	0	4	7
11	14	17	18	18	16	12	9	6	6	5	1	-3	-5	-6	-6	-9	-13	-16	-19

-21	-25	-29	-32	-34	-35	-36	-34	-30	-28	-26	-25	-21	-17	-13	-11	-9	-10	-12	-14
-16	-20	-23	-26	-29	-32	-32	-32	-30	-26	-21	-16	-9	-2	5	11	15	21	28	35
39	42	42	42	41	39	38	36	37	37	36	35	33	29	22	18	13	7	1	-2
-4	-6	-6	-10	-14	-16	-17	-18	-19	-20	-24	-28	-29	-17	-16	-34	-34	-33	-31	-27
-23	-20	-18	-16	-13	-10	9	11	-12	-13	-15	-16	-17	-17	-16	-15	-14	-13	-11	-9
-6	-2	2	6	10	14	18	22	27	30	32	33	33	32	29	27	27	28	31	35
37	38	40	41	42	41	40	38	36	34	32	29	27	24	21	18	14	9	2	-3
-3	-2	-1	-2	-4	-6	-6	-12	-16	-19	-21	-25	-29	-33	-36	-38	-40	-39	-38	-35
-33	-28	-19	-11	-3	6	15	24	30	34	35	33	31	28	24	21	19	17	18	-21
24	27	31	35	35	35	33	30	28	25	21	18	15	11	7	2	-4	-10	-18	-24
-27	-29	-30	-30	-30	-29	-27	-24	-21	-17	-13	-8	-4	1	9	20	27	32	35	37
39	41	43	44	44	44	43	42	41	39	36	34	31	28	26	24	23	21	19	17
14	11	7	4	0	-3	-6	-8	-9	-10	-11	-13	-14	-15	-16	-17	-18	-20	-23	-25
-27	-27	-26	-26	-28	-29	-29	-29	-29	-30	-31	-30	-30	-30	-29	-28	-28	-27	-27	-26
-24	-22	-22	-21	-21	-20	-19	-17	-14	-11	-9	-7	-3	1	5	8	10	12	14	16
17	17	16	12	8	6	4	2	1	0	-2	-5	-8	-12	-17	-20	-19	-18	-17	-14
-11	-9	-8	-7	-4	-3	-4	-5	-6	-7	-8	-9	-11	-12	-13	-13	-12	-12	-14	-15
-17	-18	-17	-14	-11	-10	-8	-6	-4	-3	-3	-2	-2	-2	-1	0	-4	-5	-6	-8
-9	-8	-6	-3	-1	-1	4	6	7	8	7	6	4	2	1	0	1	2	3	6
9	13	16	19	20	21	21	19	17	14	11	8	6	4	2	0	-2	-5	-6	-7
-8	-11	-15	-19	-19	-18	-16	-15	-13	-13	-16	-17	-16	-14	-11	-9	-7	-6	-7	-8
-9	-9	-8	-7	-5	-3	-2	0	1	2	2	4	5	5	4	3	2	1	1	0
0	0	-2	-4	-5	-5	-6	-8	-9	-9	-9	-5	0	4	9	13	14	16	18	20
21	23	26	28	29	27	24	23	22	20	18	17	16	18	20	21	21	21	21	21
21	20	17	14	11	8	6	5	3	3	4	4	2	0	-2	-1	-1	-2	-5	-8
-11	-14	-16	-18	-19	-18	-17	-16	-15	-12	-10	-7	-4	-1	1	2	4	5	7	9
11	12	14	15	17	18	19	18	18	18	17	15	14	14	14	12	9	5	3	2
2	2	3	3	2	1	0	0	-1	-2	-2	-1	-1	0	1	2	3	4	4	3
1	-1	-2	-6	-12	-16	-18	-19	-20	-22	-23	-23	-23	-23	-23	-22	-21	-20	-19	-18
-17	-16	-15	-14	-13	-13	-12	-11	-9	-6	-3	0	4	9	15	19	22	26	29	32
33	33	31	29	25	23	21	19	17	15	14	13	10	8	5	4	4	4	4	4
4	3	3	1	-1	-3	-5	-7	-9	-11	-11	-11	-11	-9	-7	-4	-3	-1	0	2
-13	-12	-10	-9	-8	-8	-8	-10	-8	-6	-4	-2	0	1	1	1	0	-1	-3	-4
-5	-7	-8	-10	-11	-13	-12	-10	-11	-12	-13	-14	-15	-16	-17	-19	-19	-18	-18	-16
-14	-11	-12	-16	-20	-22	-23	-22	-20	-18	-16	-13	-12	-10	-8	-6	-5	-3	-2	-1
-2	-2	-1	-1	-1	-2	-4	-5	-7	-8	-8	9	10	11	12	13	14	16	17	17
-2	-2	-1	0	2	4	5	7	8	8	9	10	11	11	12	13	14	16	17	17
18	19	20	22	23	23	22	21	21	20	20	19	19	18	17	15	13	11	9	7
6	4	2	0	-1	-2	-3	-5	-7	-8	-9	-9	-9	-9	-9	-8	-6	-5	-4	-3
-1	0	2	4	5	6	7	8	9	11	11	9	8	8	7	7	7	7	8	9
11	11	12	11	10	9	7	6	5	4	3	2	1	0	0	-1	-2	-3	-3	-3
-4	-5	-6	-6	-7	-7	-7	-7	-5	-3	-1	1	2	2	3	4	3	1	-1	-2
-3	-3	-5	-6	-6	-6	-5	-5	-4	-4	-5	-6	-7	-8	-9	-10	-10	-12	-10	-10
-10	-12	-15	-17	-18	-19	-18	-17	-17	-16	-16	-16	-17	-17	-17	-15	-14	-12	-11	-9
-7	-6	-4	-3	-2	-1	6	6	6	7	8	10	11	10	9	9	9	9	8	8
-1	1	2	3	4	6	6	6	6	7	8	10	11	10	9	9	9	9	8	8
7	7	7	6	4	3	2	2	3	3	4	4	4	4	4	5	7	8	10	11
13	15	16	18	18	18	19	18	16	15	13	12	11	8	6	4	2	1	0	-1
-2	-4	-5	-6	-7	-8	-8	-9	-9	-10	-10	-10	-10	-10	-10	-9	-9	-9	-9	-8

[illegible]

[illegible]

IIU311 66.006.0 PARKFIELD, CALIFORNIA, EARTHQUAKE JUN 27, 1966 - 2026 PST EPICENTER - 35 54 00N, 120 54 0  
STATION NO. 95 LINCOLN SCHOOL TUNNEL, TAFT, CALIFORNIA COMP UP 35 09 00N, 119 27  
INSTR PERIOD = 0.079 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 6.0 CM/SEC/SEC AT 2.62 SEC VELO = -1.1 CM/SEC AT 2.38 SEC DISP = 1.5 CM AT 52.74 SEC

INITIAL VELO = 0.41365 CM/SEC INITIAL DISP = 0.27898 CM  
3624 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-1	-11	-17	-21	-26	-24	-17	-9	-2	0	1	12	18	23	0	0	1	-1	-2	-5	-7	-9
-10	-9	-3	-3	-7	-10	-10	-6	0	6	12	-3	3	7	10	14	16	9	3	-5	-16	-28
-38	-44	-45	-42	-33	-24	-20	-16	-12	-8	-3	17	2	-9	-13	-17	17	18	-23	25	30	27
20	8	-5	-15	-24	-21	0	14	20	22	34	37	32	32	21	12	12	-20	-23	-22	-19	-15
-13	-10	-14	-22	-18	-8	3	13	22	29	34	-37	-39	-42	-41	-38	-34	1	-11	-12	-10	-5
-4	-1	-2	-6	-14	-21	-27	-32	-35	-37	-37	-37	-39	-42	-41	-38	-34	-25	-18	-11	-2	-2
7	14	14	14	15	18	27	38	46	53	58	58	60	54	44	35	27	16	13	14	15	15
17	16	9	1	-8	-19	-21	-14	-6	-9	-17	-24	-24	-31	-33	-26	-19	-10	-10	1	5	8
13	21	27	32	36	34	26	18	10	3	-5	-10	-10	-12	-10	-8	-3	4	7	12	17	4
21	16	9	6	5	3	-2	-9	-16	-22	-26	-30	-30	-31	-29	-22	-10	-3	3	6	4	4
0	-4	-7	-10	-11	-10	-12	-15	-17	-17	-12	-7	-7	-4	1	7	11	15	17	16	12	12
7	7	8	5	0	-7	-12	-13	-15	-17	-18	-18	-17	-17	-13	-8	-4	-3	-4	-6	-8	-8
-9	-10	-7	-2	1	5	10	13	11	7	3	1	3	7	10	14	16	14	16	20	26	26
34	40	42	38	32	25	18	8	-2	-10	-14	-13	-10	-5	-5	3	-1	-6	-12	-5	-4	2
9	16	22	29	34	33	29	21	13	9	9	10	10	7	18	16	14	11	9	7	4	4
-18	-21	-24	-24	-19	-11	-1	9	18	26	30	28	23	18	16	16	16	-6	-8	-2	2	4
-1	-7	-12	-17	-21	-25	-28	-25	-21	-18	-15	-12	-7	-7	-5	-3	-6	-6	-8	-4	-12	-20
7	15	20	20	20	21	25	30	34	37	40	42	36	28	22	22	16	16	5	-4	-4	-20
-26	-29	-29	-28	-27	-25	-15	-8	0	10	18	22	25	23	18	22	15	15	11	7	0	-7
-11	-16	-21	-25	-27	-22	-13	-8	-2	5	11	17	23	26	29	31	31	34	31	21	21	9
-3	-11	-20	-26	-28	-25	-21	-15	-10	-5	-2	3	6	4	4	4	10	18	24	24	20	20
12	1	-10	-19	-24	-23	-18	-12	-6	0	4	5	5	6	6	6	4	4	-3	-8	-13	-13
-18	-18	-17	-18	-19	-19	-19	-19	-18	-15	-15	-16	-16	-16	-17	-20	-12	-8	-5	-2	-2	-2
-2	0	1	3	8	16	20	21	18	12	3	-3	-3	-10	-17	-20	-22	-22	-23	-20	-16	-13
-9	-4	-5	-6	-4	-1	6	11	13	14	14	12	8	1	-4	-9	-10	-10	-16	-18	-14	-9
-6	-4	-3	-4	-7	-8	-7	-5	-1	3	2	-1	-4	-7	-6	-9	-13	-13	-17	-20	-23	-24
-24	-23	-20	-16	-11	-5	2	6	4	0	-3	-6	-7	-7	-3	2	6	9	9	7	5	5
3	2	1	1	3	5	4	1	-3	-6	-10	-12	-13	-13	-12	-10	-6	-3	1	3	7	7
9	7	5	2	0	-2	-5	-6	-6	-6	-6	-6	-6	-7	-7	-9	-10	-8	-5	0	6	6
8	5	3	1	1	2	5	8	13	19	23	28	34	36	35	35	30	26	23	20	17	17
13	9	7	5	3	0	-4	-7	-8	-7	-6	-6	-4	-4	-2	0	0	-3	-5	-9	-13	-13
-19	-25	-26	-25	-25	-27	-29	-31	-33	-33	-32	-30	-28	-28	-24	-20	-15	-15	-10	-4	2	6
9	12	17	21	23	24	25	24	23	22	18	14	10	6	-4	-2	5	3	0	-3	-6	-7
-9	-10	-9	-9	-8	-8	-8	-8	-8	-8	-8	-7	-6	-6	-4	-2	-2	-1	-3	-7	-10	-15
-13	-14	-12	-11	-9	-7	-5	-4	-3	0	2	4	6	7	8	8	10	13	15	15	15	15
14	12	11	12	14	17	18	16	16	18	19	19	17	14	12	12	9	7	6	3	1	1
-2	-5	-8	-12	-14	-15	-16	-19	-23	-25	-25	-24	-23	-21	-19	-19	-17	-13	-10	-7	-5	-5
-2	0	12	19	24	-15	21	20	18	19	22	26	29	30	30	28	25	18	12	9	5	5
1	-2	-4	-5	-8	-10	-13	-16	-19	-23	-22	-17	-14	-12	-10	-8	-8	-5	-1	2	5	5
7	9	13	13	10	8	9	10	11	14	16	16	15	12	8	6	6	8	10	13	13	15

17	19	19	16	13	10	7	2	-3	-7	-10	-13	-15	-18	-16	-13	-10	-6	-4	-2
0	2	4	6	7	8	6	5	3	3	0	-4	-7	-8	-10	-10	-10	-5	0	-4
3	5	7	8	9	10	10	10	10	8	5	3	0	-2	-4	-5	-6	-6	0	-5
-4	-2	-1	1	2	2	3	2	1	-1	-2	-1	-1	0	1	0	0	-2	-3	-4
-5	-6	-8	-8	-8	-7	-7	-11	-15	-20	-23	-23	-23	-21	-20	-19	-18	-17	-18	-16
-13	-11	-7	-3	0	3	7	8	6	8	6	5	4	4	4	5	5	6	6	6
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[illegible]

[illegible]

IIU312 67.001.0 FERNDAL, CALIFORNIA, EARTHQUAKE DEC 10, 1967 - 0406 PST EPICENTER - 40 30 00N, 124 36 0  
STATION NO. 23 CITY HALL, FERNDAL, CALIFORNIA COMP N46W 40 34 00N, 124 15  
INSTR PERIOD = 0.065 SEC DAMPING = 0.630 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 103.1 CM/SEC/SEC AT 6.66 SEC VELO = 11.8 CM/SEC AT 6.76 SEC DISP = -1.7 CM AT 6.60 SEC

INITIAL VELO = -0.10333 CM/SEC INITIAL DISP = 0.12027 CM  
4649 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

-30	-44	-10	-9	-38	-44	-32	-20	-13	-18	-16	8	33	33	12	2	0	1	4	12
26	40	52	62	68	70	55	26	0	-13	-22	-42	-56	-54	-49	-54	-57	-36	-8	14
17	-1	-31	-26	8	-14	-67	-78	-56	-61	-100	-130	-101	-57	-66	-74	-10	114	189	160
108	95	115	112	48	38	109	154	162	156	132	108	91	61	-24	-102	-121	-89	-24	26
44	14	-45	-65	-61	-72	-101	-117	-111	-104	-105	-112	-119	-124	-121	-105	-83	-55	8	80
124	166	184	162	125	94	89	104	127	143	145	138	127	110	74	25	-7	-17	-27	-42
-72	-103	-112	-101	-106	-153	-221	-225	-146	-88	-75	-76	-87	-91	-83	-77	-74	-68	-41	20
74	96	104	121	154	184	190	163	116	98	101	87	56	11	-19	6	32	10	-52	-125
-127	-67	-22	-20	-39	-45	-31	-20	-21	-29	-18	-6	-31	-90	-141	-133	-83	-30	14	52
84	126	171	192	193	176	119	58	37	36	31	12	-30	-73	-85	-80	-72	-62	-47	-30
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37	56	65	69	76	109	155	184	193	179	149	119	94	47	-16	-50	-66	-75	-75	-74
-75	-90	-121	-151	-159	-148	-134	-120	-105	-79	-48	-35	-41	-49	-50	-37	-22	-22	-36	-30
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-27	28	54	38	-15	-99	-157	-165	-154	-116	-64	-1	62	76	30	-158	-367	-434	-412	-329
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-379	-47	-217	-643	-855	-765	-516	-391	-426	-450	-357	-238	-216	-261	-244	-134	-33	-37	-79	-91
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184	187	185	181	185	190	118	-13	-92	-122	-146	-126	-22	149	264	268	188	105	92	111
132	133	102	63	45	-15	-118	-216	-315	-371	-305	-161	-85	-83	-128	-179	-204	-211	-179	-115
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-266	-272	-223	-152	-131	-108	-68	-26	9	30	29	27	50	103	158	183	188	186	174	158
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[illegible]

[illegible]

IIU312 67.001.0  
 STATION NO. 23  
 INSTR PERIOD = 0.066 SEC  
 FERNDAL, CALIFORNIA, EARTHQUAKE  
 CITY HALL, FERNDAL, CALIFORNIA  
 DAMPING = 0.607  
 DEC 10, 1967 - 0406 PST  
 EPICENTER - 40 30 00N, 124 36 0  
 COMP S44W  
 40 34 00N, 124 15  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS  
 ACCLN = -232.1 CM/SEC/SEC AT 6.60 SEC  
 VELO = 11.9 CM/SEC AT 6.56 SEC  
 DISP = 1.7 CM AT 6.64 SEC

4653 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
 INITIAL VELO = 0.15191 CM/SEC  
 INITIAL DISP = 0.24327 CM

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31	23	56	95	68	-14	-55	-47	-38	-53	-77	-106	-151	-162	-129	-102	-101	-87	-16	95
114	2	-58	-47	-26	-8	12	34	90	159	186	155	74	18	37	38	-16	-92	-89	7
100	110	46	-1	-16	-20	-13	-9	-28	-52	-43	-29	-30	-36	-43	-54	-65	-70	-66	-48
-3	56	102	71	-10	3	100	177	163	96	66	74	80	59	3	-45	-63	-46	-10	-21
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76	86	89	67	34	1	-26	-37	-34	-22	-1	30	75	123	151	143	102	67	39	9
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86	82	-12	-79	-62	18	65	72	86	112	132	114	60	-9	-1	105	235	331	397	386
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IIU312 67.001.0  
STATION NO. 23  
INSTR PERIOD = 0.066 SEC  
DAMPING = 0.592  
FERNDALDE, CALIFORNIA, EARTHQUAKE  
CITY HALL, FERNDALDE, CALIFORNIA  
DEC 10, 1967 - 0406 PST  
EPICENTER - 40 30 00N, 124 36 0  
COMP UP  
40 34 00N, 124 15  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 32.4 CM/SEC/SEC AT 8.16 SEC VELO = -2.7 CM/SEC AT 7.98 SEC DISP = -1.0 CM AT 15.28 SEC

4653 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.  
INITIAL VELO = 0.02439 CM/SEC INITIAL DISP = 0.08799 CM

17	8	8	2	-15	-27	-24	-3	33	54	9	-50	-58	-38	-33	-42	-49	-38	-8	-1
-17	-35	-44	-34	-15	0	16	23	18	18	33	68	91	66	36	29	13	16	-32	-29
-27	-35	-14	43	70	58	41	33	29	8	-18	-10	27	39	3	-37	-39	-30	-26	-27
-35	-57	-87	-104	-79	-37	-15	-19	-20	-7	14	35	54	72	84	96	110	122	94	-17
-68	-21	13	16	3	-12	-27	-38	-41	-51	-66	-77	-80	-43	11	36	41	40	52	93
117	95	61	44	29	6	-8	-20	-48	-58	-34	-29	-37	-30	-14	-5	-7	-8	-4	8
30	47	44	22	4	-4	-7	-8	-22	-48	-48	-54	-46	-35	-23	-36	-54	-39	-12	9
13	-1	-20	-42	-53	-28	-6	5	21	34	16	-32	-52	-9	37	54	49	34	40	56
60	65	60	42	29	41	67	78	57	21	3	21	42	43	1	-79	-128	-132	-119	-103
-90	-77	-59	-37	-14	4	12	13	15	23	42	59	62	55	43	25	4	-8	-9	-7
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-70	-75	-67	-79	-86	-72	-59	-76	-106	-129	-120	-80	-38	16	92	132	126	97	68	46
33	25	26	38	51	68	71	42	-12	-34	-9	30	87	150	182	189	180	164	152	139
109	75	31	-20	-70	-108	-125	-136	-149	-164	-180	-205	-254	-291	-293	-261	-221	-148	-69	-11
31	41	27	21	69	163	249	304	324	312	279	241	197	150	110	79	32	-27	-65	-79
-72	-60	-78	-111	-134	-150	-154	-143	-123	-98	-62	-8	56	116	157	172	152	110	58	-1
-61	-94	-101	-94	-75	-47	-25	-27	-45	-64	-69	-56	-34	-11	8	21	31	39	43	43
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145	125	101	75	44	11	-22	-53	-82	-107	-125	-127	-109	-80	-56	-32	-9	7	15	15
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-62	-52	-36	-14	14	43	63	76	79	69	52	34	15	-4	-20	-31	-42	-47	-47	-45

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[illegible]



[illegible]

IIU313 67.006.0 STATION NO. 28  
 INSTR PERIOD = 0.065 SEC DAMPING = 0.563  
 NORTHERN CALIFORNIA EARTHQUAKE DEC 18, 1967 - 0925 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 37 00 36N, 121 47 1  
 COMP N89W 36 51 00N, 121 24

PEAK VALS	ACLN = -13.1	CM/SEC/SEC AT 8.10 SEC	VELO = 2.7	CM/SEC AT 5.42 SEC	DISP = -2.3	CM AT 3.64 SEC														
3065	INSTRUMENT AND BASELINE CORRECTED DATA										INITIAL DISP = 0.75471 CM									
	INITIAL VELO = 0.31277	CM/SEC	AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.																	
			IN	MM/SEC/SEC			INITIAL DISP = 0.75471	CM												
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[illegible]

ITU313 67.006.0  
 STATION NO. 28  
 INSTR PERIOD = 0.065 SEC DAMPING = 0.632  
 NORTHERN CALIFORNIA EARTHQUAKE DEC 18, 1967 - 0925 PST  
 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER - 37 00 36N, 121 47 1  
 COMP SO1W 36 51 00N, 121 24

PEAK VALS ACCLN = 16.3 CM/SEC/SEC AT 5.04 SEC VELO = 1.7 CM/SEC AT 4.46 SEC DISP = 2.1 CM AT 37.48 SEC

INITIAL VELO = -0.00342 CM/SEC INITIAL DISP = 0.30675 CM

3064 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

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IIU313 67.006.0 NORTHERN CALIFORNIA EARTHQUAKE DEC 18, 1967 - 0925 PST EPICENTER - 37 00 36N, 121 47 1  
 STATION NO. 28 PUBLIC LIBRARY, HOLLISTER, CALIFORNIA COMP UP 36 51 00N, 121 24  
 INSTR PERIOD = 0.067 SEC DAMPING = 0.574 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = 10.0 CM/SEC/SEC AT 4.90 SEC VELO = -1.1 CM/SEC AT 22.34 SEC DISP = 1.3 CM AT 20.40 SEC

INITIAL VELO = 0.15865 CM/SEC INITIAL DISP = 0.12228 CM  
 3063 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC.

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California Institute of Technology  
Earthquake Engineering Research Laboratory

The following reports of the Earthquake Engineering Research Laboratory from 1970 on can be obtained from the National Technical Information Service, Springfield, Virginia 22121:

Strong-Motion Earthquake Accelerograms  
Digitized and Plotted Data  
Volume I

<u>Part</u>	<u>Report No.</u>	NTIS <u>Accession No.</u>
A	EERL 70-20	PB-287 847
B	EERL 70-21	PB-196 823
C	EERL 71-20	PB-204 364
D	EERL 71-21	PB-208 529
E	EERL 71-22	PB-209 749
F	EERL 71-23	PB-210 619
G	EERL 72-20	PB-211 357
H	EERL 72-21	PB-211 781
I	EERL 72-22	PB-213 422
J	EERL 72-23	PB-213 423
K	EERL 72-24	PB-213 424
L	EERL 72-25	PB-215 639
M	EERL 72-26	PB-220 554
N	EERL 72-27	PB-223 023
O	EERL 73-20	PB-222 417
P	EERL 73-21	PB-227 481/AS
Q	EERL 73-22	PB-232 315/AS

Strong-Motion Earthquake Accelerograms  
Digitized and Plotted Data

Corrected Accelerograms and Integrated  
Ground Velocity and Displacement Curves

Volume II

<u>Part</u>	<u>Report No.</u>	NTIS <u>Accession No.</u>
A	EERL 71-50	PB-208 283
B	EERL 72-50	PB-220 161
C	EERL 72-51	PB-220 162
D	EERL 72-52	PB-220 836
E	EERL 73-50	PB-223 024
F	EERL 73-51	PB-224 977/9AS
G	EERL 73-52	PB-229 239/AS
H	EERL 74-50	PB-231 225/AS
I	EERL 74-51	PB-232 316/AS
J, K	EERL 74-52	PB-233 257/AS
L, M	EERL 74-53	PB-237 174/AS
N	EERL 74-54	PB-236 399/AS

Analyses of Strong-Motion Earthquake Accelerograms  
Response Spectra

Volume III

<u>Part</u>	<u>Report No.</u>	<u>NTIS Accession No.</u>
A	EERL 72-80	PB-212 602
B	EERL 73-80	PB-221 256
C	EERL 73-81	PB-223 025
D	EERL 73-82	PB-227 469/AS
E	EERL 73-83	PB-227 470/AS
F	EERL 73-84	PB-227 471/AS
G	EERL 73-85	PB-231 223/AS
H	EERL 74-80	PB-231 319/AS
I	EERL 74-81	PB-232 326/AS
J, K, L	EERL 74-82	PB-236 110/AS
M, N	EERL 74-83	PB-236 400/AS
O, P	EERL 74-84	PB-238 102/AS



Analyses of Strong-Motion Earthquake Accelerograms  
Fourier Amplitude Spectra

Volume IV

<u>Part</u>	<u>Report No.</u>	NTIS <u>Accession No.</u>
A	EERL 72-100	PB-212 603
B	EERL 73-100	PB-220 837
C	EERL 73-101	PB-222 514
D	EERL 73-102	PB-222 969/AS
E	EERL 73-103	PB-229 240/AS
F	EERL 73-104	PB-229 241/AS
G	EERL 73-105	PB-231 224/AS
H	EERL 74-100	PB-232 327/AS
I	EERL 74-101	PB-232 328/AS
J, K, L, M	EERL 74-102	PB-236 111/AS
N, O, P	EERL 74-103	PB-238 447/AS

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Randolph A. Adu, Response and Failure of Structures under Stationary Random Excitation (EERL 71-02; PB-205 304)

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M. D. Trifunac, F. E. Udwadia, A. G. Brady, High Frequency Errors and Instrument Corrections of Strong-Motion Accelerograms (EERL 71-05; PB-205 369)

Knut Sverre Skattum, Dynamic Analysis of Coupled Shear Walls and Sandwich Beams (EERL 71-06; PB-205 267)

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F. E. Udwadia, Investigation of Earthquake and Microtremor Ground Motions (EERL 72-02; PB-212 853)

Albert W. Whitney, On Insurance Settlements Incident to the 1906 San Francisco Fire (DRC 72-01; PB-213 256)

J. H. Wood, Analysis of the Earthquake Response of a Nine-Story Steel Frame Building during the San Fernando Earthquake (EERL 72-04; PB-215 823)

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